

Monthly Performance Report

July 2014

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788

 **CH2MHILL**
Plateau Remediation Company
P.O. Box 1600
Richland, Washington 99352

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APPROVED

By Lee Ann Snyder at 8:50 am, Aug 26, 2014

Release Approval

Date

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J. C. Fulton
President and Chief
Executive Officer

Monthly Performance Report

U.S. Department of Energy Contract,
DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

July 2014
CHPRC-2014-07, Rev. 0

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EXECUTIVE SUMMARY

- CH2M HILL Plateau Remediation Company surpassed one million hours worked without a recordable injury and 2 million hours worked without a lost time injury.
- The Plutonium Finishing Plant (PFP) Closure Project team finished demolition and loading out of waste from building 2704Z. The team also began the second round of training for use of the PremAire respirators/suits that will facilitate decommissioning of the historic McCluskey Room, one of the most hazardous rooms at the Hanford Site. Overall, deactivation of the PFP complex is 73 percent complete, and working to achieve slab on grade demolition in 2016.
- Soil & Groundwater Remediation Project (S&GRP) has treated 1,642 million gallons of contaminated groundwater this fiscal year, with a total of 6.7 billion gallons treated since contract start in October 2008. The team is on target to reach its FY2014 Key Performance Goal (KPG) of 1.8 billion gallons treated.
- The Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) and Project Technical Services (PTS) teams continued work on the 100KW Annex, which will support the Sludge Treatment Project (STP) to transfer highly radioactive sludge to storage away from the Columbia River. Progress in July included completion of the structural steel and placement of the bridge crane in the building and the high bay roof decking installation.
- The DWF&RS project team at the Liquid Effluent Retention Facility (LERF) is in the final phase of clean-up activities at the basins. Workers have removed over 13,000 pounds of mud from Basin 44.
- CHPRC passed an independent assessment of its Environmental Management Program. The assessment team identified zero major non-conformances, zero minor non-conformances, zero opportunities for improvement, and 11 proficiencies.



Demolition of the 2704Z building at the Plutonium Finishing Plant



Structural steel for the 100KW Annex

Focus on Safety

- The President's Zero Accident Council (PZAC) meeting for July 2014 was hosted by the Environmental Protection and Strategic Planning (EP&SP) organization. The three main themes for the meeting were:
 - o Crime Prevention
 - o Migratory Bird Treaty Act
 - o Universal Waste Disposal

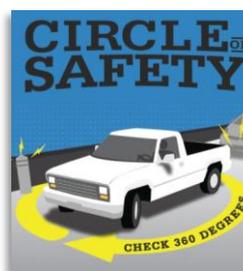
The meeting began with an Ethics Moment reminding the audience that although Washington State law allows marijuana possession and use by individuals, the drug is still federally prohibited and not allowed by CHPRC and DOE, even off the job site and outside of work hours for Hanford workers. Fittingly, the following presentation by a local police officer targeted crime prevention and simple strategies to protect ourselves and property. The next discussion took flight with an overview of the Migratory Bird Treaty Act and the responsibility entrusted to CHPRC and each individual employee to protect the unique habitat and ecosystem of the Hanford site. The Environmental Management System (EMS) update provided a review of Universal Waste Management, offering requirements and information to streamline commonly generated waste streams. The Voluntary Protection Program (VPP) topic introduced PZAC to CHPRC's Safety Legacy. The foundation of our Safety Legacy is each employee's impact on people's lives, including the core value of "Safety 24/7," attainment of VPP supremacy, and strengthened worker involvement. The remainder of the meeting included Stretch and Flex, safety performance updates, and Good News Stories.

- Four "Thinking Target Zero" (TTZ) bulletins were published in July to convey important occupational safety, health and environmental messages:
 - o Hotel Security
 - o VPP and Reporting Injuries
 - o Sleep Deprivation
 - o EMS Assessment



- July *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:

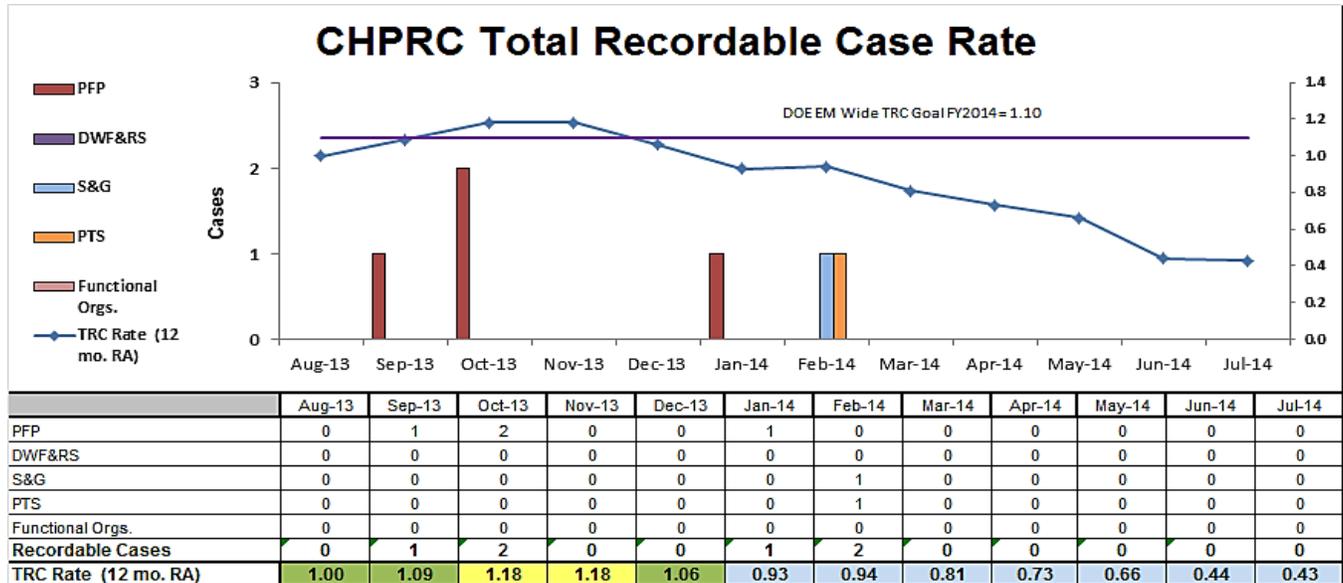
- o Return to Work Safe After the Holiday
- o Globally Harmonized System Status Update
- o Perform 360° Safety Check
- o Preventing Heat Illness
- o Slips, Trips and Falls
- o "What Would You Do?" Ethics Awareness messages
- o Injury/Illness Summaries and the TTZ of the week
- o CHPRC Weekly Updates in July included a message from Rick Millikin, Vice President of Prime Contract and Project Integration, who provided an update of FY2014 Key Performance Goals and other successes, including attainment of VPP STAR status and CHPRC's first 100% zero waste event. Moses Jaraysi, Vice President of EP&SP employed two Weekly Updates to status the ISO 14001:2004 EMS Registration audit which took place early in the month. CHPRC aced the audit by truly embracing Target Zero for environmental stewardship. The team identified:



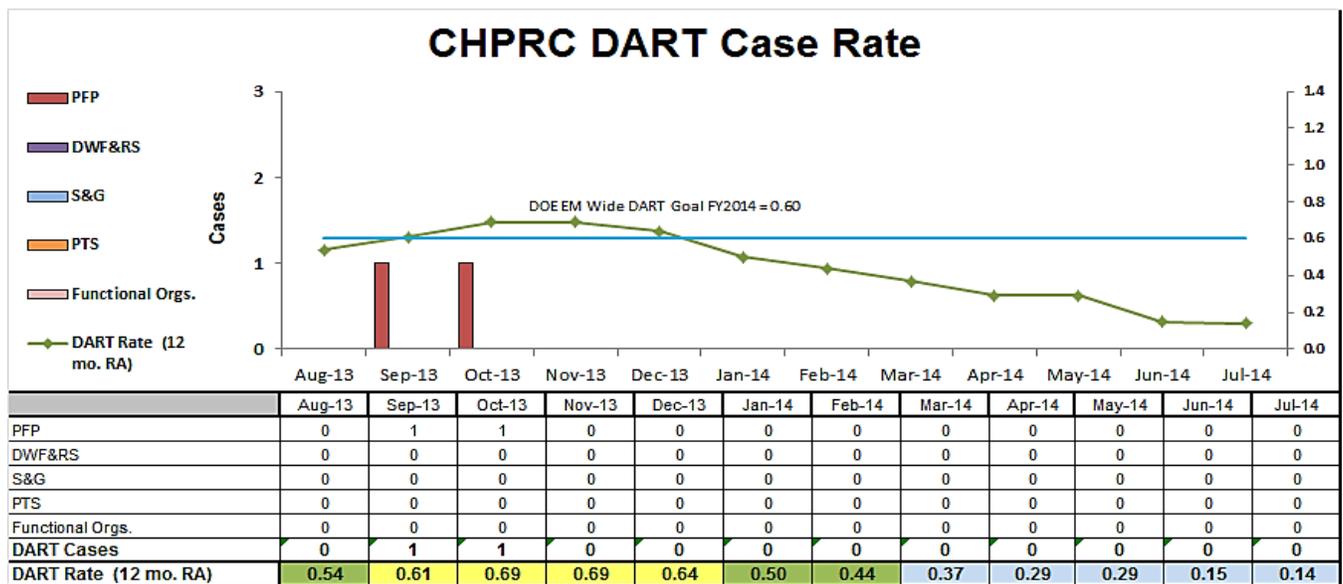
- **Zero** major non-conformances
- **Zero** minor non-conformances
- **Zero** opportunities for improvement
- **Eleven** proficiencies noted

TARGET ZERO PERFORMANCE July 2014

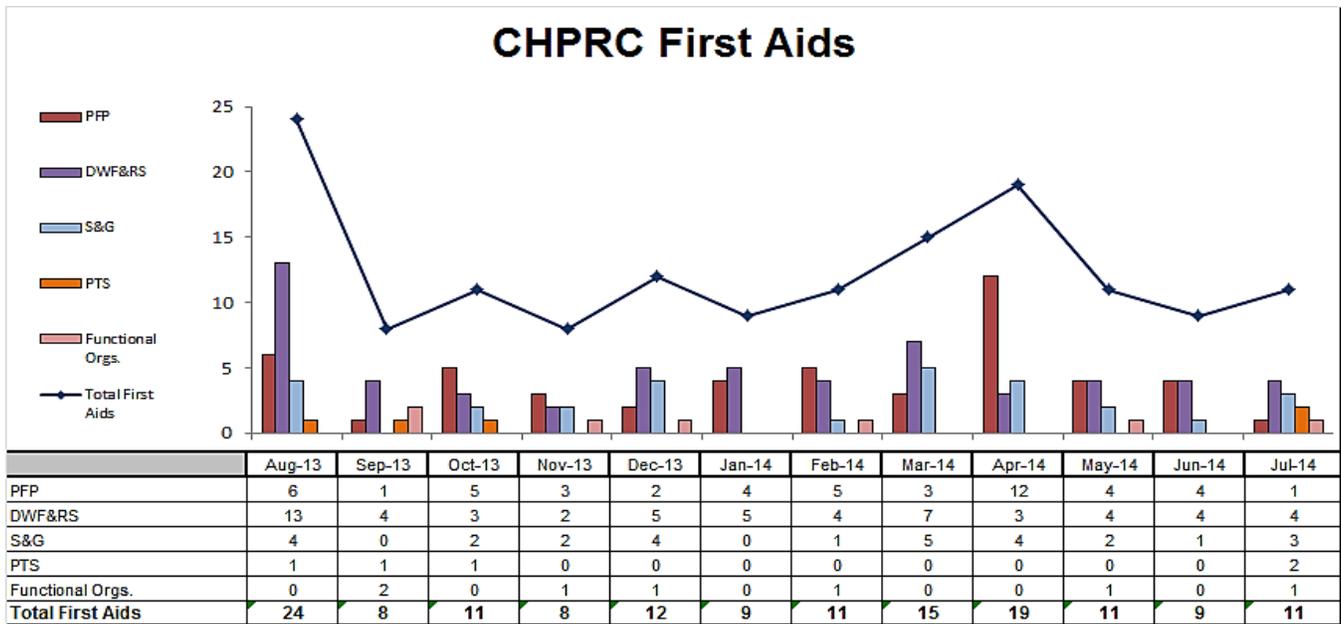
CHPRC continued focusing on integrating safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.43 is based on a total of six Recordable injuries (four Recordables and two DART cases). There were no Recordable cases in July. Three cases are being evaluated/investigated for potential recordability. As of July, CHPRC has worked in excess of 1.26 million safe hours without a Recordable case.



Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.14 is based upon a total of two Days Away cases. There were no DART cases in July 2014. As of July, CHPRC has worked in excess of 2.17 million safe hours without a DART case.



First Aid Case Summary – CHPRC reported 11 first-aid cases in July 2014; of these 11 cases, 4 cases required no treatment. There were two self-treated injuries. The contributors were six Sprains / Strains / Pains, three abrasions/contusions, one insect bite / sting and one miscellaneous injury (potential exposure).

KEY ACCOMPLISHMENTS

Projects

- Refer to Sections A through G of this report for project specific accomplishments.

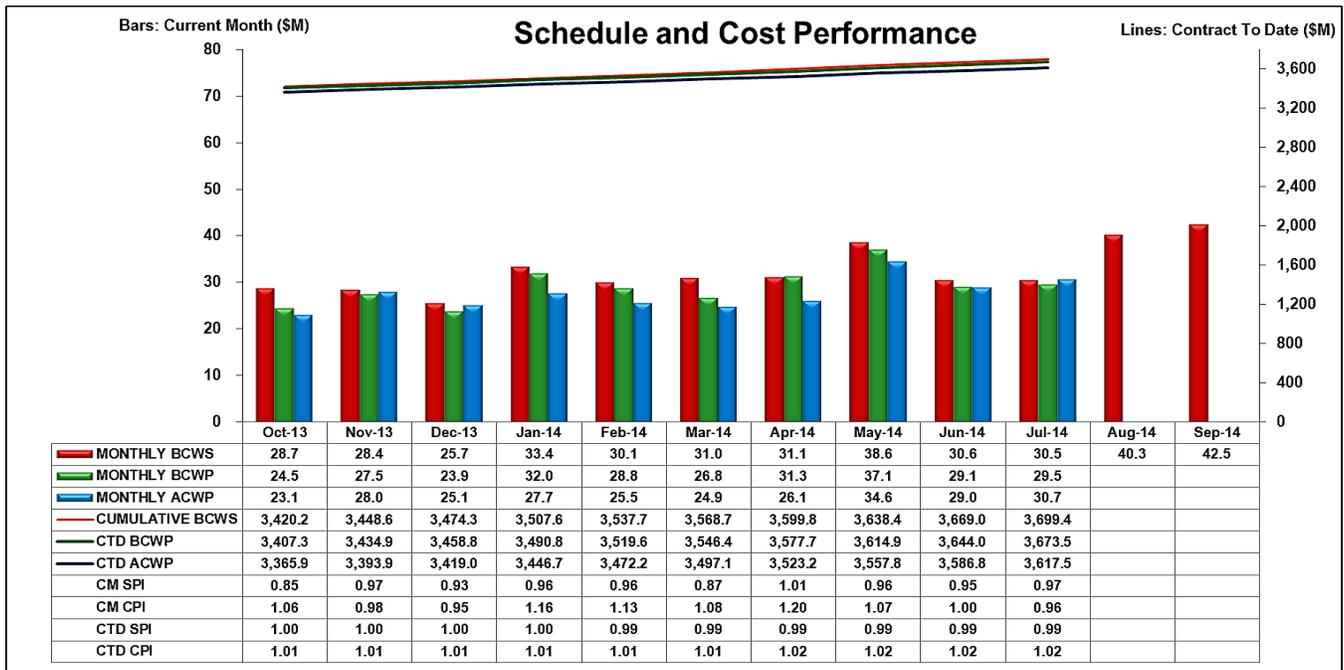
Project Services and Support

- Refer to the Appendix B section of this report for specific Project Services & Support accomplishments.

MAJOR ISSUES

Refer to Sections A through G of this report for the project specific Major Issues.

EARNED VALUE MANAGEMENT



	\$M						\$M					\$M		
	Current Period			Contract to Date			Contract to Date			Contract Period				
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost				
RL-0011 - Nuclear Materials Stab & Disp PFP	7.6	5.8	7.0	(1.9)	(1.2)	708.9	679.5	716.2	(29.4)	(36.7)	935.4	956.1	(20.7)	
RL-0012 - SNF Stabilization & Disposition	4.1	5.2	5.6	1.1	(0.3)	426.9	429.3	439.9	2.4	(10.6)	692.6	727.6	(35.0)	
RL-0013 - Solid Waste Stab & Disposition	6.6	7.5	7.1	1.0	0.4	860.9	862.2	831.2	1.3	31.0	1,342.0	1,254.0	88.0	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	10.0	9.2	9.8	(0.8)	(0.6)	989.9	990.6	977.9	0.7	12.6	1,510.3	1,479.4	30.9	
RL-0040 - Nuc Fac D&D - Remainder	1.2	1.0	1.0	(0.3)	(0.1)	386.5	385.6	355.5	(0.9)	30.1	492.0	459.6	32.4	
RL-0041 - Nuc Fac D&D - RC Closure Project	0.8	0.7	0.2	(0.1)	0.5	308.6	308.6	281.8	(0.0)	26.7	393.6	349.8	43.8	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.1	0.1	(0.0)	0.1	17.7	17.7	14.9	(0.0)	2.8	26.5	20.3	6.2	
(Numbers are rounded to the nearest \$0.1M)	Total	30.5	29.5	30.7	(1.0)	(1.2)	3,699.4	3,673.5	3,617.5	(25.9)	56.0	5,392.4	5,246.8	145.5

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$145.5M with \$81.9M of Management Reserve for a total positive variance of \$227.4M.

- For July, the project was 3.2% behind schedule and 4.2% under planned cost. For FY2014, the project is 5.6% behind schedule and 5.5% under planned cost. Schedule and cost performance in July was within reporting thresholds.

FUNDING ANALYSIS

FY2014 Funds vs. Fiscal Year Spend Forecast (\$M)

PBS	Project	FY2014		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	106.8	95.7	11.1
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	72.2	68.8	3.4
RL-0013	Waste and Fuels Management Project	83.8	81.4	2.5
RL-0030	Soil, Groundwater and Vadose Zone Remediation	121.5	111.6	9.8
RL-0040	Nuclear Facility D&D, Remainder of Hanford	13.2	12.3	0.9
RL-0041	Nuclear Facility D&D, River Corridor	10.1	5.0	5.1
RL-0042	Fast Flux Test Facility Closure	2.3	1.8	0.5
Total Base:		409.9	376.5	33.4

Funds/Variance Analysis:

FY2014 Projected Funding did not change in July and remains at \$409.9M.

BASELINE CHANGE REQUESTS

In July 2014, CHPRC approved and implemented two (2) BCRs. The change requests are identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for July 2014		
BCR-030-14-018R0	<i>CO #246, Technical Feasibility Evaluation for Uranium Treatment at 200W P&T</i>	This BCR implements RL direction to implement Contract Modification 343, which definitizes CO #246 Technical Feasibility Evaluation for Uranium Treatment at 200 West Pump and Treat. Per the modification this BCR also moves well decommissioning scope to CLIN 7 to maintain PMB in alignment with the B.4-1 Table. This change decreased the PMB by \$542K.
BCR-040-14-004R0	<i>MO 956 Demolition</i>	This BCR adds scope for the demolition of MO956 based upon Correspondence No. 1402682 received from RL on June 30, 2014. This BCR increased the PMB by \$43K.

Overall, the contract Performance Measurement Baseline budget decreased \$499K.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
N/A	N/A	N/A	N/A

There were no changes to Management Reserve during July.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
N/A	N/A	N/A	N/A

There were no changes to Fee during July.

See the Format 3 Report in Appendix A for a complete listing of the specific change requests and the impact on the PMB budget by fiscal year. The PMB values of change requests are summarized by fiscal year in the tables below (dollars in thousands):

July 2014 Summary of Changes

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
June 2014 Estimate									
PMB	3,391,477	390,756	438,469	430,788	370,762	370,639	2,001,414	5,392,891	5,392,891
MR	0	1,952	7,250	21,000	21,000	30,649	81,852	81,852	81,852
Fee	155,504	14,325	13,480	19,800	8,800	16,573	72,978	228,482	228,482
Total	3,546,981	407,033	459,199	471,588	400,561	417,862	2,156,244	5,703,224	5,703,224
July 2014 Change									
PMB									
<i>Change to PMB</i>	0	51	0	-550	0	0	-499	-499	-499
MR									
<i>Change to MR</i>	0	0	0	0	0	0	0	0	0
Fee									
<i>Change to Fee</i>	0	0	0	0	0	0	0	0	0
Total Change	0	51	0	-550	0	0	-499	-499	-499
July 2014 Estimate									
PMB	3,391,477	390,807	438,469	430,238	370,762	370,639	2,000,915	5,392,392	5,392,392
MR	0	1,952	7,250	21,000	21,000	30,649	81,852	81,852	81,852
Fee	155,504	14,325	13,480	19,800	8,800	16,573	72,978	228,482	228,482
Total	3,546,981	407,084	459,199	471,038	400,561	417,862	2,155,745	5,702,725	5,702,725

Changes to/Utilization of Management Reserve in July 2014

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
June 2014 MR Totals								
RL-0011	0	52	3,000	8,000	8,000	0	19,052	19,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	500	500	2,000	800	6,824	10,624	10,624
RL-0030	0	750	1,000	3,000	2,500	8,828	16,078	16,078
RL-0040	0	300	400	1,500	1,800	4,000	8,000	8,000
RL-0041	0	300	300	3,450	2,800	7,000	13,850	13,850
RL-0042	0	50	50	50	100	100	350	350
Total	0	1,952	7,250	21,000	21,000	30,650	81,852	81,852
July 2014 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	0	0	0	0
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	0	0	0	0	0	0
RL-0042	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
July 2014 MR Totals								
RL-0011	0	52	3,000	8,000	8,000	0	19,052	19,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	500	500	2,000	800	6,824	10,624	10,624
RL-0030	0	750	1,000	3,000	2,500	8,828	16,078	16,078
RL-0040	0	300	400	1,500	1,800	4,000	8,000	8,000
RL-0041	0	300	300	3,450	2,800	7,000	13,850	13,850
RL-0042	0	50	50	50	100	100	350	350
Total	0	1,952	7,250	21,000	21,000	30,650	81,852	81,852

SELF-PERFORMED WORK

Business structure information documents ongoing compliance with the requirements of the Contract Section H.20 clause entitled *Self-Performed Work*.

Contract-to-Date Actual Awards & Mods 10/1/2008 -7/31/2014				Projection to FY2018	
Reporting Category				Planned Subcontracting:	\$2,406,850,560
				Contract-to-date awards:	\$2,113,861,065
				Bal remaining to award:	\$292,989,495
	\$ Value	%	Goal %	Goal award\$	Bal to Goal
SB	\$1,054,775,635	49.90%	49.3%	\$1,186,577,326	\$131,801,691
SDB	\$182,498,192	8.63%	8.2%	\$197,361,746	\$14,863,554
SWOB	\$203,586,501	9.63%	7.5%	\$180,513,792	-\$23,072,709
HUB	\$35,156,826	1.66%	2.2%	\$52,950,712	\$17,793,886
VOSB	\$122,482,029	5.79%	3.5%	\$84,239,770	-\$38,242,259
SDVO	\$58,020,815	2.74%	1.3%	\$31,289,057	-\$26,731,757
NAB	\$30,727,698	1.45%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
Large	\$570,304,824	26.98%	N/A		
GOVT	\$2,166,530	0.10%	N/A		
GOVT CONT	\$482,866,522	22.84%	N/A		
EDUCATION	\$93,046	0.00%	N/A	Total Contract (mod 349):	\$5,696,680,278
NONPROFIT_	\$3,420,147	0.16%	N/A	17% rqmt:	\$968,435,647
FOREIGN	\$234,361	0.01%	N/A	SB actual:	\$1,054,775,635
Total	\$2,113,861,065	100.00%	N/A	Bal to rqmt	-\$86,339,988

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.11B in goods and services with 49.9 percent going to small businesses. Nearly all subcontracting goals have been exceeded.
2. Approximately 93 percent of the total dollars arise from service and staffing contracts and contract amendments with five percent of the remaining expenditures arising from P-Card purchases and the balance in purchase orders for materials and equipment.
3. Data is summarized by business categories (Women Owned Minority Business Enterprise codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

Contract Section	Project	GFS/I	Status
CONTRACT			
J.12/C.2.3.6	PBS-13, Transuranic Waste Certification	WIPP provides shipping resources and manages the schedule for transportation of these containers to WIPP. The schedule is variable and the number of shipments is controlled by DOE-HQ on a complex-wide priority. Cost for shipment of TRU waste offsite is borne by the Carlsbad Field Office.	Ongoing

Section A

Nuclear Materials Stabilization and Disposition of PFP (RL-0011)



J. M. Swartz
Vice President for
PFP Closure Project

July 2014
CHPRC-2014-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Plutonium Finishing Plant (PFP) Closure Project continues to maintain PFP facilities compliant with authorization agreement requirements.

The PFP Project, working with their RL counterpart, has developed an agreed upon set of metrics and is working on developing a combined dashboard. Roll-out of this product is currently forecast to be completed in August.

<i>Key Performance Indicators</i>	<i>Current Month</i>	<i>Contract To Date</i>
Glovebox/ Hood Removed or Dispositioned in Place	-	206 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	-	17,491 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed	-	136 pencil tank units
Buildings Ready for Demo	-	39 structures
Buildings Demolished or Removed	1	38 structures
Non-radioactive Waste Shipped	-	42 m ³
TRU/TRU-M Shipped	3 m ³	1,377 m ³
LLW/MLLW Shipped	469 m ³	5,111 m ³

Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping, and ductwork. The total gloveboxes removed to date is at 89 percent complete.

- Completed internal cleanout and waste loadout from gloveboxes HC-9B and HC-7C
- Began external isolations and prepped for internal cleanout on HC-46F glovebox
- Completed seal-outs of 236-Z Pencil Tank 69/70
- Completed painting of 236-Z Miscellaneous Treatment Gloveboxes MT-3, MT-4, MT-5, and MT-6.

EMS Objectives and Target Status

Objective #	Objective	Targets	Actions to Achieve Targets	Due Date	Status
14-EMS-PFP-OB2-T1	Establish/verify NESHAP compliance under CERCLA for a major emissions unit	Provide basis for minimum requirements based on lesson learned from the Federal Government shutdown and NESHAP compliance matrix for 291-Z-1 stack under CERCLA	Obtain current DOH inspection check list and determine applicability to 291-Z-1	12/31/13	Completed 12/19/13
			Combine applicable parts of past air license compliance matrix and internal NESHAP inspection checklist	3/31/14	Completed 3/31/14
			Develop a basis for minimum required maintenance activities for 291-Z-1 and incorporate into document from action #2.	7/31/14	Completed 7/31/14
			Obtain concurrence from Central EP&SP	9/30/14	On schedule
14-EMS-PFP-OB1-T1	Demonstrate compliance with all asbestos requirements that are pertinent to PFP	Establish a defensible and conservative asbestos compliance program at PFP that will stand up to the scrutiny of federal, state and local regulators	Review & comment on development of the new CHPRC level asbestos Regulatory Analysis Memorandum (CERCLA based).	12/12/13	Completed 12/12/13
			Review & comment on the modification of an existing asbestos characterization plan Desk Instruction (DI)	1/31/14	Completed 2/24/14
			ECO asbestos requirements education and training.	7/31/14	On schedule

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	2	N/A
Total Recordable Injuries	0	4	N/A
First Aid Cases	1	50	<ul style="list-style-type: none"> 7/22/14 – Employee was moving backwards away from glovebox face, caught heels, tripped on floor mounted PTO lifting rack and fell on PAPR unit. Employee was examined and diagnosed as having contusion and was returned to work without restriction (23430)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Continued efforts in response to initial RL Nuclear Services Division (NSD) comments on the DSA/TSR 291-Z exhaust fan enhanced maintenance plan changes that were submitted in March 2014
- Removed the 291-Z Ingersoll Rand air compressors from service and transitioned to new skid-mounted compressors and removed the Closed Loop Cooling System (CLCS) from service

11.05 Disposition PFP Facility

242-Z

- Continued installation of 242-Z Breathing Air Compressor (installed connection between compressor and 242-ZA, installed temporary power)
- Completed Phase II of the PreMaire breathing air training
- Continued development of Work Packages for Initial Entry into 242-Z

RMC

- Completed internal cleanout and waste load-out from gloveboxes HC-9B and HC-7C
- Drained and removed HC-18M hydraulic system

Backside Rooms

- Began external isolations and prepped for internal cleanout on HC-46F glovebox

236-Z Plutonium Reclamation Facility (PRF)

- Pencil Tanks
 - Completed seal-outs of 236-Z Pencil Tank 69/70
- Miscellaneous Treatment Gloveboxes
 - Completed painting of MT-3, MT-4, MT-5, and MT-6 gloveboxes

MAJOR ISSUES

Issue – Hazards associated with utilization of a foaming agent for fixing contamination in gloveboxes result in an exothermic reaction that could cause a self-ignition - When polyurethane foams react, the result is in an exothermic reaction that could cause a self-ignition. To understand the potential impacts of fire concerns, two densities of fire retardant foam were evaluated (2lb; 6lb) at Southwest Research Institute (SWRI). The Hughes Associates Inc. (HAI) report recommended that a single large volume pour test be performed to fully understand the potential for self-ignition events. CHPRC/PFP has determined that this test is not necessary.

The following, not related directly to the exothermic reaction, are general fire concerns with polyurethane type foam:

1. The foam products previously tested represent a significant fire hazard. Even with the fire retardants added, the foam will be consumed in a fire event. The HAI report recommended that foamed gloveboxes be protected from exposure to fire with non-combustible materials.
2. In addition to the fire hazard, the foam products produce a significant quantity of soot when burned.
3. As a result of the HAI report, RL is recommending that other, non-combustible products be evaluated.

Corrective Action – PFP is evaluating a non-polyurethane foaming material. During the month of June a vendor placed two different foams into the PFP mock-up glovebox. Evaluations during the demonstration reduced the concerns with any off gassing and exothermic reactions. Evaluations of the foam the next day indicated a slight shrinkage of the foam inside the mockup. Evaluation and testing at the vendor facility during June and July indicated the settling could be resolved by utilization of a screw dispersal pump.

Status – During the month of July, two sample sets of foam dispatched to Southwest Research Institute (SWRI) began flammability testing. These samples which are equivalent to the demonstration foams used on site, are scheduled to be complete with testing in August. Another on-site mock-up using the screw pump will be performed in mid-August.

Issue – The existing DSA does not address physical demolition of PFP facilities or leaving high hold-up items in-place for targeted excision during the demolition phase.

Corrective Action – Assemble a team of nuclear safety professionals to develop step out conditions and criteria for the existing facility safety systems. Effort will culminate in a revision to the PFP DSA for the final deactivation and demolition phases of the mission.

Status – The team for initial training was assembled and is continuing to evaluate material form and distribution aspects of accident scenarios, as necessary for developing more accurate and reasonable accident consequences. Accomplishments include:

- Completed CHPRC-02211, *PFP Strategy to Achieve Slab on Grade*
- Completed DSA Criteria Document – Awaiting RL concurrence
- Hazard Analysis document has been prepared and is out for review and comment
- Incorporating comments into latest draft of the Fire Hazards Analysis
- Initiated preliminary Accident Analyses in June

Issue – PRF Canyon Crane Trolley Drive Belt - During monthly wire rope inspections, personnel noted minor fraying along the outer edge of the PRF canyon crane trolley drive belt. The trolley drive belt is not part of the load bearing portion of the crane, as it exclusively controls the East/West movement of the crane trolley. The fraying appears to be caused by the belt rubbing against the pulley guide rail and is limited to a few inches in length, extending roughly 1/8 inch inward. Two small cracks were also noted in this portion of the belt, also extending about 1/8 inch inward.

Corrective Action - Engineering evaluated photographs and videos of the belt and determined it could continue to be used until it was convenient to schedule a belt replacement. However, personnel assigned to Pencil Tank size reduction were uncomfortable using the crane. Correspondingly, those resources were assigned to other work while Engineering consults with the crane manufacturer for a second opinion. A work package is being developed to replace the belt.

Status – Manufacturer’s evaluation of belt longevity due August 4.

Issue – The PFP Low Level Waste Treatment Facility, 243-Z, is currently scheduled for demolition in the spring of 2016. 243-Z contains analyzers, carbon filters, ion exchangers, pumps and storage tanks used to monitor and treat liquid effluent prior to transfer to TEDF. These liquids consisted of effluent from PFP process equipment in low level areas such as laboratory drains, vacuum seal water, compressor closed loop cooling condensate, evaporative coolers, and steam condensate. Elimination of discharge of liquids to 243-Z is required to enable ability to demolish the facility.

Corrective Action - Deactivation of systems, particularly the removal air sample vacuum (ASV) and the of 291-Z Ingersoll-Rand air compressors, which allowed shutdown of the Closed Loop cooling System when the new skid air compressors were installed has significantly reduced flow. Due to this removal of sources of water to the 243-Z facility, the flow has recently reduced from approximately 5000 gallons/day to less than 300 gallons/day. PFP anticipates the remaining flow will prove to be benign and is performing an evaluation to assure sources of water are within the discharge envelope without further treatment.

Status – PFP is evaluating if demolition of 243-Z in spring of 2015 is achievable. Ongoing actions forward to accelerate building 243-Z Demolition are:

- Disposition water sources and identify options if treatment is necessary
- Determination with Soil and Groundwater disposition of water wall effluent.
- Waste disposition of existing equipment e.g. filter drums, tanks, piping
- Isolate mechanical and electrical systems of 243-Z

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Response Plan Effective
 Response Plan Partially Effective
 Response Plan Not Effective

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
Overarching PFP Risks				
PFP-009: Aging Building Systems/Components Problems Impact Planned D&D Activities	Included life extension upgrades as part of FY2014 Annual Baseline Update and include HEPA filter replacement, replacement of air compressors, and electrical switchgear upgrades. Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.			Teams finished EMP Rev.1 actions and the submittal letter was sent over to DOE by the March 2014 due date. Maintenance activities will continue to be performed to keep the facility in a safe and compliant configuration until such time as the MAR has been removed and the DSA back-out plan has been implemented.
PFP-062: Ability to Use Perma-Fix Northwest for Glovebox Size Reduction	In the event of Perma-Fix Northwest closing PFP is continuing to options to perform in-situ size reduction of gloveboxes to mitigate this risk if PFNW is no longer able to accept waste from the facility. In addition PFP will continue to work with CWC for long term storage capabilities.			In the event RL delays off-site shipments to PFNW, PFP will ship to CWC using the approved HNF-0063 Exception letter. However the exception only allows a 6 month hold time until CWC would have to ship to PFNW.
PFP-080 – Unforeseen Chemical Hazards	CHPRC completed investigations and identified potential lines that contain chemical hazards. CHPRC believes this to be an imminent safety hazard and, as such, has and continues to take actions to mitigate the immediate hazard. Continue to collect data and take photographs to document actions and conditions.			Notice of Change letter transmitted to DOE on February 13, 2013. Investigation completed in the month of March 2013. The path forward, based on investigation results, has been integrated into the field schedule to mitigate hazards to workers. Issues Change Order 240, Mitigation of Chemical Lines at PFP was received by CHPRC on October 7, 2013 with a limitation not to exceed \$500K prior to the definitization of the change. A formal change proposal has been developed, formally submitted to RL and discussions are ongoing with RL on the definitization of the change.
PFP- 079 – Extend Respiratory Protection Time & Operating Efficiencies	Establishing expectations and behaviors that streamline the shift/pre-job briefings, dress/undress times to allow for additional on-tool time and achieve 2-entries per day. Monitor stay-times and work patterns to establish efficiency increases to 2.5 hours per entry. Achieve consistency in work package preparation to minimize down-time.			Negotiations were successful to extend respiratory protection time with the ratification of the Collective Bargaining Agreement effective November 11, 2013. The PFP project has implemented extended dives since implementation of the agreement, and longer stay times in the field are being realized. Continue to implement Breakthrough Initiative #1, Tool Time actions.
PFP-083: System Back-Out Plan Implementation Extends Schedule	Identify Back-out Plan implementation activities, durations, logic ties, and resources; and integrate these activities in the project execution schedule. Work activities may be re-sequenced to minimize impacts to the critical path schedule. Where needed, utilize subcontractors with credibility and experience for analysis and document preparation support. Work closely with DOE-RL and Regulators to identify review points to streamline approval process and reduce approval turnaround durations.			Finalization of the back-out planning efforts was completed and incorporated into the field execution schedule in May 2014 to assist the project in better execution to the Performance Measurement Baseline. The FES is continually updated to reflect efficiencies and changes to approach as we continue to polish the plan to achieve slab on grade by 9/30/16.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
<p>PPF-086: Alternate/Temporary System Capabilities Required Prior to Building Demolition</p>	<p>Management Reserves may be required to acquire equipment and services to provide the required alternate temporary facility system services and functions during demolition preparation. Identify MAR that may remain and identify CHPRC and DOE decision points to deactivate ventilation and fire systems. Evaluate air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring.</p>	●	↔	<p>Alternate temporary facility system services and functions beyond those currently planned may be required to support building demolition. Currently identifying MAR that may remain and identifying CHPRC and DOE decision points to deactivate ventilation and fire systems. Evaluating air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring</p>
<p>PPF-091: Approval of DSA Revisions</p>	<p>A team of professionals is being assembled to develop the DSA revision to support open air demolition of a Hazard Category II PFP. This effort will be managed as an independent project from PFP daily activities. A partnering approach will be established with RL SMEs and management to expedite the effort and flush out concerns or obstacles early on. This risk is a bounding assumption associated with completion of PFP to Slab-On-Grade.</p>	●	↔	<p>Staff is in place to support development of two DSA revisions. The annual update which was submitted in June for DOE review and approval. The PFP Project is currently in discussion with DOE to resolve comments on Revision 10. Revision 12 to the DSA is planned for submittal to RL for approval in November 2014.</p>
<p>PPF-092: Increased Characterization</p>	<p>Events at the facility may increase the need for characterization above what is planned for cost and schedule.</p>	●	↑	<p>The alternate technical approach assumes more duct work may be left in place for demolition. In order to implement the alternate technical approach, a more comprehensive characterization of 234-5Z than currently planned is required prior to demolition of the facility. Additional coupon sampling is required to provide more accurate data than the previously used, more conservative historical data, and to decrease the level of uncertainty of final results. Improved accuracy and reduced uncertainty in characterization results are required to enable justification of leaving more duct work in place prior to demolition. This effort has been initiated and will be ongoing throughout the ready for demolition phase of the PFP Project.</p>
<p>PPF-074: Unexpected Configuration/Conditions</p>	<p>Unexpected facility configuration or site conditions are encountered during Cold & Dark, or demolition activities.</p>	●	↓	<p>In the month of April the project realized this risk while using a porta-band to size reduce a demister line in a glove bag, employees heard a bang and saw an orange-reddish flame flash out the open end of the pipe. There were no signs of damage to the pipe or to the bag, no indications of airborne radioactivity on area CAMs, and post job surveys did not detect any spread of contamination. Work packages which have similar demister pipe removal activities were immediately suspended pending investigation and incorporation of possible corrective actions. The stop work was lifted on June 17. This work stoppage resulted in a new requirement for performance of hazard analysis of these systems and documenting the hazard analysis in the work package. A Notice of Change was submitted to RL for their consideration on June 9, 2014. On August 5, 2014, CHPRC received a letter from the DOE Contracting Officer stating that the cited impacts of the RL-11 Plutonium Finishing Plant work scope do not represent a change to the contract. CHPRC is currently evaluating.</p>

242-Z Risks				
PFP-242-04: Dose Rates in 242-Z are Higher Than Planned	Characterization is built into the baseline to perform characterization including dose rate maps. The characterization plan will be utilized in work planning efforts to place temporary shielding around higher dose rate components. The work team is trained to stop work when conditions exceed planning information. This will prevent overexposure and prolonged work stoppages. However, if work is stopped, an alternate plan will need to be developed. Minimal mitigation is available for unknown/newly discovered higher than planned dose rates.			242-Z Teams have been established and are working on work package development and field work prep activities to enable a smooth transition when field work starts the third week of August. Training for the initial identified members of the 242-Z on the new PreMair Breathing Air system was completed in May. A second session of training was conducted in the month of July in anticipation for entries into the 242-Z facility in the month of August.
PFP-242-05: RM 134 Modifications for size reduction & load out from 242-Z are not authorized	Develop the air-flow, fire protection, and structural requirements during the planning stage to allow for the wall between 242-Z and 234-5Z to be removed. Execute the demolition in accordance with the plan. Identify response team to respond to discoveries proactively to maintain progress.			Working with the field teams to develop more efficient and less intrusive direct waste load out capabilities.
PFP-242-06: More RH-TRU than Planned from 242-Z	Utilize results from radiological and analytical characterization to develop size reduction plans. Work with the waste packaging and characterization group to understand requirements for RH-TRU waste and packaging techniques to minimize RH-TRU waste.			242-Z Teams have been established and are working on work package development and field work prep activities to enable a smooth transition when field work starts the third week of August.
291-Z Risks				
PFP-291-01: 291-Z Characterization Unknowns	Develop characterization plans and objectives. Review historical documentation of facility construction and accident event reports. Incorporate characterization information into facility work plans and execution documents.			Opportunities are being identified to characterize early during maintenance activities which result in allowance of some of the operating fans to be shut down. The plan of the week/day will be the communication tool to determine when early characterization can be conducted.
Balance of Plant Decontamination/Decommissioning Risks				
PFP-BOP-01: More Extensive Cleanout/Decon Required	Develop and implement a more detailed process facility characterization plan. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition). Early characterization provides an opportunity to avoid project schedule impact. Identify approvals required and quantities/materials that may be exempted from removal (i.e. floor tiles, transite, electrical, etc.).			Characterization efforts continue in the duct level following the sampling plan as developed by the Environmental Director at PFP.
PFP-BOP-02: Overall D4 Schedule Impacts From Interferences Between Sub-projects	The facility has developed an integrated priority list for all in-plant activities for resource assignment in accordance with priority. PFP has developed team communication meetings to prioritize resources on a daily basis. External facility resources are prioritized through MSA between PRC subprojects. These techniques ensure the resources are assigned to the highest priority work. Identify new D&D filed teams to conduct Walk-downs and Work package development to improve interfaces within subprojects.			Additional field teams have been identified to initiate work in the duct level. Characterization efforts are under way for E4 ducting/Filter boxes to determine waste disposition paths. In addition, field team sizes are always being evaluated to ensure resources are available when opportunities present themselves to work duct level scope earlier than planned in the current Field Execution Schedule.

PFP Demolition Risks				
PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo	Work with the CHPRC environmental to ensure that an understanding of equipment, components, and residual material criterion are understood and bounded for air modeling. Once the residual material/contamination is quantified, work with regulators to identify controls to allow for equipment removal and demolition as planned. Develop and implement plans to document criterion are met.			The current air modeling plan is based on assumptions of what the facility conditions may be at the time before demolition. Characterization activities that are and will be performed will provide actual data that will be used in the model. Based on the model results, the project will make adjustments to its demolition approach. Field characterization survey plans are currently under development. A characterization survey plan has been developed for PFP ventilation, and field characterization of E4 ducting is under way. As characterization unit survey plans are developed, they will be added to work packages.
PFP-DEMO-08: Experienced Demolition Crews	Initiate demo planning early to establish contracting mechanisms at least one year prior to the need to begin demolition activities in order to have contracts in place to meet schedule. Complete more detailed facility characterization to support needed contract statement of work.			The full complement of D&D workers to support the PFP project arrived in July 2014. CHPRC is evaluating follow-on scope to keep the D&D work force on staff to ensure that the PFP will be able to be demolished as scheduled by September 2016.
PFP-DEMO-18: ORR Required for PFP D4	The readiness activities schedules in the baseline are appropriate for the risk and complexity of the PFP & PRF demolition. Ongoing discussions will be conducted with DOE and DNFBS as required within the quarterly startup notification process. Additional resources may be added for preparation and review teams.			PFP efforts to upgrade the DSA to establish requisite conditions for the deactivation of vital safety systems, evaluate the unique hazards associated with the demolition phase of the project, and establish the commensurate control set for the remaining mission will validate the appropriateness of a readiness assessment versus Operational Readiness Review (ORR). This was addressed in revision 10 to the PFP DSA which is currently with DOE for review and approval.
PRF Cleanout/Decontamination Risks				
PFP-PRF-01: PRF Canyon Cleanout Scope Increases	Characterization data will be collected as early as feasible to allow early identification of any issues associated with the planned approach. Failure to achieve end-point criteria to support open air demolition is a basis for Change Request to DOE.			The Characterization strategy has been developed and meetings have been held with project managers to communicate the approach. Efforts are continuing to further define ready-for-demolition criteria for the PRF Facility as it is assumed to be the most challenging to achieve the milestone of slab on grade by 9/30/16.
PFP-PRF-02: PRF Canyon Crane Reliability Issues Result in Cost/Schedule Growth	Perform necessary preventative maintenance actions associated with canyon crane and ensure appropriate spares are on site to minimize schedule impacts in the event of equipment failure. Minimize the use of the crane to the extent practical. Obtain independent assessments of the crane. In the event of a crane failure, attempt to utilize work force on other projects to minimize down-time for work force.			The PRF canyon crane is in service and pencil tank size reduction activities are continuing. During the month of July, it was identified that the belt on the canyon crane was beginning to show signs of wear. An engineering evaluation is being made to determine whether it is necessary for the belt to be replaced at this time. If the determination is made that the belt needs to be replaced, the canyon entries will be performed over a weekend so as not to impede normal work activities during normal working hours.
PFP-PRF-21: OPP: 236-Z Floor/Pan Grouting	Following pencil tank removal, the PRF canyon floor will be vacuumed and wiped down. After completing that activity, the floor will be grouted to cover the pans and create a level working surface. From the grouted floor, residual canyon cleanout and wall decontamination will be performed. Upon completion of canyon cleanout, another grout cap will be placed to secure any residual contamination remaining on the floor prior to demolition. This approach eliminates the effort to remove the stainless steel pans from the slab (a process that would damage the slab according to engineering analysis), reduces contamination levels on the floor, correspondingly improving efficiency of manned entries for other canyon decontamination and cleanout efforts, and stabilizes floor contamination from a criticality and contaminant dispersion perspective.			This is work that will be performed in FY2015. In preparation, a grouting concept is being developed and a grout specification will be prepared. This activity will require a revised CSER calculation and DSA USQ evaluation. A Plant Force Work Review (PFWR) will be processed. A grouting Contract SOW, RFP, Bid Evaluation, and award will be issued. Grout procurement and grout conveyance equipment RFPs, Bid Evaluations, and awards will be issued. A grout testing contract SOW, RFP, Bid Evaluation, and award will be issued. Work Packages will be prepared. Conveyance equipment will be installed. Grout will be delivered, tested and pumped.

RMA/RMC Glove Box Removal Risks				
<p>OPPORTUNITY: PFP-GB-01A: High Gram Box Disposition - FOAM</p>	<p>The responsibility for the implementation on the use of expanding foam at PFP has been assigned to personnel within the PFP Special Projects organization and is essentially being managed as a project. Lessons learned from other DOE sites that have used expanding polyurethane foam for similar applications are being used to facilitate implementation at PFP. The Risk Evaluation Board (REB) will be used to employ senior management personnel from CHPRC and DOE-RL to help resolve any significant issues associated with the use of foam.</p>			<p>Efforts continue under the special projects organization to implement the foaming initiative to foam selected components throughout 234-5Z and 236-Z. In the month of December 2013 the project determined that an additional evaluation would be conducted to determine alternate foaming agents due to the fire analysis that was performed on desired foaming agent. During the month of June 2014 a vendor placed two different foams into the PFP mock-up glovebox. Evaluations of the foam the next day indicated a slight shrinkage of the foam inside the mockup. Evaluation and testing at the vendor facility determined the settling could be resolved by utilization of a screw dispersal pump. Another on-site mock-up is planned to demonstrate satisfactory foam performance in mid-August.</p>
<p>PFP-GB-02: Glove boxes Isolation/Internal Strip out takes longer than planned</p>	<p>Utilize existing drawings, tools and techniques for equipment removal. Gram loading/NDA of gloveboxes has been obtained. Perform additional NDA to determine location of holdup. Perform surgical extraction of high gram items. Evaluate the use of foam or other fixatives to expedite cleanout.</p>			<p>Continue to work with field teams to plan upcoming isolations on remaining gloveboxes incorporating lessons learned from similar work scope that has previously been performed at PFP.</p>

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	7.6	5.8	7.0	(1.9)	-24.3%	(1.2)	-21.2%

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (-\$1.9M/-24.3%)

The current month schedule variance is attributed to newly imposed requirements for all demister work to address issues identified in an April stop work. These new requirements will ensure that the Plutonium Finishing Plant (PFP) has a consistent approach for the mechanical cutting of active/inactive piping, tanks, vessels, and connected systems with chemicals of potential concern (COPCs) that have the potential to generate a flammable atmosphere. In addition, re-sequencing of work in the 242-Z Americium Facility, to align with the availability of D&D workers has caused delays in preparations and initial entry activities. Resource availability to support work efforts in the 236-Z facility have been impacted as a result of unanticipated attrition of RCT and NCO's to support other Hanford Contractors. The variance is partially offset by completing behind schedule work in 234-5Z RMA/RMC lines.

CM Cost Variance: (-\$1.2M/-21.2%)

The current month negative cost variance is attributed to unplanned costs to support initiatives that PFP is implementing (i.e., foaming and PreMaire Breathing Air), and increased training as a result of assignment of new Health Physics Techs (as the result of HAMTC lamping process) to PFP.

Contract-to-Date (\$M)

WBS 011/ RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	708.9	679.5	716.2	(29.4)	-4.1%	(36.7)	-5.4%	935.4	956.1	(20.7)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$29.4M/-4.1%)

The Schedule Variance is within reporting thresholds.

CTD Cost Variance (-\$36.7M/-5.4%)

The Cost Variance is within reporting thresholds.

Variance at Completion (-\$20.7M/-3.3%)

The Variance at Completion is primarily a result of FY2013 Sequestration impacts to D&D work scope and prior year unrecoverable costs. The project is advancing a strategic path forward to achieve the slab-on-grade completion date of September, 2016.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2014		Spend Variance
	Projected Funding	Spending Forecast	
RL-0011	106.8	95.7	11.1

Numbers are rounded to the nearest \$0.1M

Funds/Variance Analysis

Projected Funding remained at \$106.8M. The spending forecast was reduced from \$103.0M to \$95.7M due to subcontract adjustments associated with delay in receipt of demolition equipment (deferred to FY2015).

Critical Path Schedule

The PFP critical path runs through size reduction of the Plutonium Reclamation Facility (PRF) Pencil Tanks, Decontaminating/Scabbling/Fixing the PRF Canyon, Prepping the Gallery Gloveboxes and turning PRF into a Cold & Dark facility. This achieves completion of the M-083-44A TPA – *Complete Transition of 234-5Z & ZA/243-Z/291-1 & 291-Z Facilities* – and kicks off demolition of the 242-Z/242-ZA and 236-Z facilities leading to completion of the final TPA milestone – M-083-00A, *PFP Facility Transition and Selection Disposition Activities*.

Baseline Change RequestsBCRA-PRC-14-021R0 - *HPIC Updates July 2014*BCRA-PRC-14-022R0 - *Basis of Estimate File Extractions***MILESTONE STATUS**

(Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a two year look ahead of commitments and Tri-Party Agreement enforceable milestones.

Number	Title	Due Date	Actual Date	Forecast Date	Status/Comment
M-083-44A	Complete Transition of 234-5Z and ZA/243-Z/291-I & 291-Z Facilities	09/30/15		11/10/16	This Tri-Party Agreement completion has been impacted by sequestration and annual funding limitations. It is currently unattainable.
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		1/18/17	This Tri-Party Agreement completion is at risk of meeting the 9/30/16 commitment date.

SELF-PERFORMED WORK

The Section H.20 clause entitled, "Self-Performed Work," is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B

Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



L. T. Blackford
Vice President and
Project Manager for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

July 2014
CHPRC-2014-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The 100K Operations group continued maintaining facilities in a safe and compliant condition and continued supporting the Engineered Container Retrieval and Transport System (ECRTS) Project work by supporting Annex Construction Activities and In-Basin Construction activities.
- The ECRTS Project continued working the three Nuclear Safety Initiatives process improvement initiatives. All three initiatives are being included in the revised design and Preliminary Documented Safety Analysis (PDSA) submittal scheduled to be submitted for RL approval in late September. Work continued on updating the safety design strategy to fully align with the planned revision to the PDSA. Procurements for the ECRTS Project progressed. The STSC procurement vendor submittals received in June are being evaluated with a recommendation for contract award being made to management by mid-August. The ECRTS Equipment procurements have been grouped into approximately 20 separate statements of work (SOWs). The first two SOWs for procurement of general service control system panels and transfer/decant system equipment are currently in the review cycle and are scheduled to be released to the blanket ordering agreement holders with a request for proposal in early August.
- The Integrated Process Optimization Demonstration (IPOD) continued at the Maintenance and Storage Facility (MASF) with IPOD activities forecast to be complete in late July; the test report will subsequently be developed and processed through the Sludge Treatment Project (STP) joint test group. Garnet Filter testing continues at MASF with testing of new pipe plug bladder concepts being developed.
- Construction continued its trend of positive performance. The project completed the Structural Steel Performance Measure Milestone and the Concrete Roof Deck Performance Measure Milestone will complete the end of July. In-Basin construction activities being performed as FY2014 buy-back scope continue to progress ahead of schedule and below budget.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	9	7/28/14 – Employee experienced muscle strain in right calf while descending stairs (23433).
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- 100K Operations completed the electrical outage for maintenance of A&B switchgear at 105KW. Despite extreme heat, the work was completed safely and without incident.
- IPOD - the MASF team completed sand filter media change-out, STSC core thickness evaluation, the third retest of the overflow recovery tool (ORT), installed sand filter media and performed initial filter backwash, and removed Engineered Container lid and divider plate assembly for final cleanout of settler simulant.
- 105KW Annex Construction completed:
 - o The placement of the bridge crane, performed bump test and completed the high bay roof decking.
 - o The Flanders HEPA Filtration System Factory Acceptance Test,
 - o Erection of Structural Steel in support of the Annex Construction, this completes an FY2014 Performance Measure.
 - o Third (High Bay) of three concrete roof deck installation in support of KW Annex.
- In-basin construction physical fieldwork progressed well ahead of schedule, completing installation of cable tray, electrical rack supports, and installing the four electrical conduits from Room 3A to Door 148.
- T Plant Design – the CHPRC and the Hanford Fire Marshall approved CHPRC-02150 “Equivalency Request for the Hazardous Material Requirements Associated with the Receipt, Handling, and Storage of Sludge in T Plant Process Cells” and submitted to RL the end of June with CHPRC requesting RL approval within 30 days of receipt of the letter.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Risk Response Effective
 Risk Response Partially Effective
 Risk Response Not Effective

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0012/WBS 012				
STP-067A: Safety Significant Components STP-067B – OPPORTUNITY: Safety Classification of SSC’s	Integrate nuclear safety representation on design team to minimize potential for an increase in the classification of safety significant SSCs in the ECRTS Process System Design. The project will conduct in-process reviews of the draft PDSA with RL to ensure reviewers fully understand the basis for current SSC safety classifications. The PDSA will be formally submitted to RL in July of 2013. Early procurements of SSC’s may be initiated at a higher safety/quality level.			Draft PDSA incorporating the results of supporting analyses and design changes developed to incorporate ECRTS process system nuclear safety initiatives implementation was completed and internal and parallel RL reviews initiated.
STP-072: Delayed STSC/ECRTS Procurement & Delivery	Identify qualified vendors up-front, Conduct fabricator on-site inspections, place CHPRC Quality Control staff at the vendor facility, Maintain a prioritized buyback list to initiate early procurements should additional funding be identified, and procure raw materials early to minimize commodity price fluctuations. Develop procurement bundles for equipment that can be prioritized based on funding, vendor availability, and safety documents.			Risk mitigation strategy is effective – At this time, no forecasted delays.
STP-111B: Basin ECRTS Installation Contractor/ Subcontractor Performance	Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts. Re-train construction personnel on procedures for performing construction activities. Include in baseline budget to cover additional management oversight support for construction, planning, safety and project management to accommodate the potential impacts. Interface between existing organizations will need to be closely coordinated, planned, and monitored. Mitigation strategy is to provide extensive oversight on subcontractors work scope.			In-Basin Construction work is progressing ahead of schedule.
STP-ANX-020: Contractor/Subcontractor Performance	Mitigation strategy is to provide extensive oversight on subcontractors work scope. Implement a Corrective Action Plan for contractor to implement to address shortfalls in performance. Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts.			Corrective Action Plan is improving subcontractor field performance. Continued improvement is still required.
STP-ANX-024: K-Annex Design or Requirements Change or Errors & Omissions	Identify required design changes early in the process to minimize schedule impacts. The design reviews and constructability reviews have been completed, the potential requirements change, and related impacts are accepted without mitigation due to the action required. Develop a streamlined approach for handling contractor submittals and RCIs.			Structural design changes have been incorporated and are being implemented in the field. The Mechanical and Electrical work scopes are picking up in the coming months and the project is evaluating these areas to ensure there are not any remaining design issues that required attention.
STP-ANX-028: Annex Acquisition – Programmatic Risk	CHPRC is proceeding with contract strategy for the Annex Construction.			CHPRC submitted a Change Proposal to address the cumulative impacts of sequestration and partial government shutdown for the Annex construction. Sequestration and partial government shutdown actions may have a resulting impact on the Annex Construction contractor outside of the original contract scope for directed stop & restart activities.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	4.1	5.2	5.6	1.1	26.7%	(0.3)	-6.7%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (+\$1.1M/+26.7%)

CM positive SV is due to in-basin construction working buy-back scope ahead of schedule and Annex Construction continuing to work buyback ahead of schedule with lightweight concrete and associated apportioned efforts for Construction Management/Support.

CM Cost Performance (-\$0.3M/-6.7%)

Variance is within reporting thresholds.

Contract-to-Date

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	426.9	429.3	439.9	2.4	0.6%	(10.6)	-2.5%	692.6	727.6	(35.0)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (+\$2.4M/+0.6%)

Variance is within reporting thresholds.

CTD Cost Performance (-\$10.6M/-2.5%)

Variance is within reporting thresholds.

Variance at Completion (-\$35.0M/-5.0%)

The Variance at Completion is due to sequestration costs incurred with no corresponding BCWS value, the increased cost of Annex construction due to design changes and contractor performance and increased estimates for In-Basin Construction and T-Plant modifications as the estimates were updated from a conceptual design basis to the current design and the change in construction contracting methodology.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	72.2	68.8	3.4

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Projected Funding remained at \$72.2M. The spending forecast decreased slightly as buy-back procurements are not progressing as quickly as planned in FY2014.

Critical Path Schedule

The STP Critical Path is funding constrained in FY2014 resulting in deferral of process equipment procurement into FY2015/2016. The critical path subsequently flows through the installation of process equipment, then operational acceptance testing of the facility modifications, annex process equipment, readiness activities at the 105KW Facility, the operational readiness review, and finally containerized sludge retrieval operations. Retrieval operations includes the filling of STSCs with sludge and transferring them to T Plant, completing Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestone M-016-176, *Complete Sludge Removal from 105-KW Fuels Storage Basin*.

Baseline Change Requests

BCR-PRC-14-022R0 – *Basis of Estimate File Extractions*

MILESTONE STATUS

Tri-Party Agreement milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a one year look ahead of commitments and Tri-Party Agreement enforceable milestones and non-enforceable target due dates. Tri-Party Agreement Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2014 funding scenarios and Hanford site priorities.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-175	Begin sludge removal from 105KW Fuel Storage Basin	09/30/2014		09/01/2018	This Tri-Party Agreement completion has been impacted by changes in DOE priorities and sequestration. It is currently unattainable and needs to be re-negotiated.

SELF-PERFORMED WORK

The Section H.20 clause entitled, "Self-Performed Work," is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C

Solid Waste Stabilization and Disposition (RL-0013)



L. T. Blackford
Vice President and
Project Manager for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

July 2014
CHPRC-2014-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Waste and Fuels Management Project (W&FMP) continued maintaining facilities in a safe and compliant condition. Overall, the project is delivering planned efficiencies but continues to be impacted by emerging work and realized risks. Liquid Effluent Facilities (LEF) received 7 tankers, 35.0k gallons. LEF completed repairs to Liquid Effluent Retention Facility (LERF) Basin covers. Continued inspections and cleanup activities of Basin 42 and Basin 44. Canister Storage Building (CSB) continued Multi-Canister Overpack (MCO) monitoring. Central Waste Complex (CWC) completed nondestructive assay activities to large waste box (battery box) in Outside Storage Area A.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	9/30/14	On Schedule

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	45	<ul style="list-style-type: none"> 7/17/14 - Employee was following a truck that was emitting a chemical smell. The employee developed a headache and sore throat after smelling the odor. Body part affected: Head and throat. (23424)
Near Misses	0	1	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Continued Project Management support for high priority projects
- Continued development of the FY2015 Performance Measurement Baseline update deliverable. This includes a bottoms-up estimate to complete for all baseline scope along with an accompanying basis.

13.02 Capsule Storage & Disposition

- Completed:
 - 44 PM work packages

- o TSR Surveillances
- o Rad surveillances
- o Operational surveillances
- Participated in two Emergency Preparedness Drills
- Replaced 225B-MCC-2, compartment C3 digital amp readout device for Pool Cell #5 recirculation pump
- Performed five year roof inspection of MO-232, no issues identified
- Replaced the K1-6-1 supply fan motor, sheaves, bearing and belts; fan was returned to service after 48 hour run-in
- Performed:
 - o 90, 180 and 365 day PM Air Compressor #2
 - o One year replacement of Area Radiation Monitors and monthly functional checks
 - o Monthly Stack Monitor System functional test
 - o One year calibration of Continuous Air Monitor CAM B-715
 - o P30 day Continuous Air Monitor Functional Testing
 - o Fuel tank indicators 225BG-LI-TK4-1 and TK-3-1
 - o 365 day calibration of Pool Cell to Atmosphere I/P converter
 - o 180 day Lube and Inspection of Miscellaneous HVAC and Pool Cell Equipment
 - o Monthly Fire Extinguisher, Fire Protection valve and gauge inspections
 - o One- and three-year calibrations of Instrument Air Pressure Indicators
 - o 365 day elevator inspection and circuit check of DS-225B-HVAC-5 to elevator motor
 - o Annual calibration of the K3 Filter differential pressure indicators
 - o Annual Inspection of Automatic Transfer Switches ATS-1 and ATS-2
 - o One year K3 HEPA Filter East/West bank inspections
 - o One year K-1 Filter Aerosol Test
 - o One year 296B-10 Stack Air Flow Test
- WESF Stabilization and Ventilation Project:
 - o Completed a review of the Conceptual Design Report 30% draft
 - o Completed Safety Design Strategy
 - o Regulators identified several issues with the current environmental strategy; a permitting plan is being developed with the support of the regulators
- Extended Storage Preparations:
 - o Conducted kick off meeting for the review of the Project Execution Plan, Statement of Work, Functions and Requirements document and the Performance Specification; comments are due August 7, 2014
 - o Drafted Acquisition Planning Document
 - o Presented acquisition strategy to management
 - o Developed a permitting plan to support a final status RCRA permit for the Storage Area

13.03 Canister Storage Building (CSB)

- Continued Multi-Canister Overpack (MCO) monitoring program.
- Completed:
 - o Annual MCO Handling Machine (MHM) and Tube Plug Grapple Inspections
 - o Annual MHM Load Cell-calibration and associated repairs of hydraulic system discovered during this work effort
 - o Annual MHM Seismic Pressure Switch calibration
 - o Annual preventive maintenance (PM) for all condenser units and associated air handling units
 - o Annual inspections of Cranes CRN-012 and -014
 - o Annual Leak Check and Surveillance of exhaust sample line
 - o Six month sample hood Differential pressure indicator (DPI) calibration

- o Sound analysis and installed High Noise Area boundary installation allowing for the removal of compensatory measures around the CSB Air Dryer system
- o Quarterly Vehicle Arrest Barrier Surveillance at the ISA pad
- o Repair of Condenser Unit #2 and removed work/rest requirements for the operations area
- o 30 Preventive Maintenance (PM) work packages

13.06 TRU Repackaging

- PFNW initiated size reduction activities on large fiber reinforced plywood (FRP) TRUM waste package 762DMA1
- PFNW completed the size reduction and repackaging of the waste from waste shipment TC108 (FRP waste package 753DMAF02.B). Five Transuranic mixed (TRU/M) waste packages were generated (SWBs) and five Mixed low-level waste (M/LLW) boxes

13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:
 - o Project Management declared implementation for WRAP MDSA Rev. 10 Phase II upgrades on June 24, 2014
 - o Chemical management activities including expired chemical packaging for shipment
- Initiated planning activities to ship the Plutonium Finishing Plant (PFP) waste box from 2404-WB to Perma-Fix Northwest (PFNW) scheduled for August 5, 2014
- Surveillances/PMs:
 - o Seven TSR surveillances
 - o Seven Preventive Maintenance (PM) packages
 - o 75 Radiological (Rad) surveillances
 - o 38 Operational surveillances
- Shipments:
 - o Received one TL-1800 shipping package from Plutonium Finishing Plant (PFP) containing a glovebox to be processed at PFNW at a later date

13.08 T Plant

- Completed:
 - o Venting Abnormal Container Management Program (ACMP) container 325W-88-0003
 - o Nuclear Chemical Operator venting requalification; next requalification is December 2015
 - o Replacement of relays on 271T elevator.
- Surveillances/PMs
 - o Two TSR surveillances
 - o 254 Rad surveillances
 - o 19 PM packages
 - o 188 Operational surveillances
- Shipments
 - o Shipment PG039 to Centralized Consolidation/Recycling Center (CCRC)

13.09 Central Waste Complex (CWC) and Low Level Burial Grounds (LLBG)

- Supported the road closure waste shipment on 7/1/14 to PFNW, volume totaled 63.5m³ via the Gray Cruiser and Super 7A trailers Installed asbestos signs at Mixed Waste Trenches 31 and 34
- Continued with Priority 1 drum over pack activities in 2403-WA. Ten drums over packed for a total of 18
- Completed Nondestructive assay activities for large waste box (battery box) in Outside Storage Area A
- Supported the EPA, WDOE inspection of the MWT 31 and 34

- Closed out CWC Building Emergency Light repair recovery plan Completed 218W-4B-Caisson –GE-UNI-1 filter replacement and testing
- Completed final emergency light repairs in 2403-WA and 2403-WB under recovery plan
- Surveillances/PMs:
 - o One TSR surveillances
 - o 27 PM packages
 - o 179 Rad surveillances
 - o 62 Operational surveillances
- Shipments:
 - o Received three shipments totaling 20 drums of TRU/M from PFP

13.11 Liquid Effluent Facilities (LEF)

- Performed Beryllium sampling of storage connexes
- Completed Air Operating Permit (AOP) quarterly inspections for LERF Basins
- Pumped 26 Waste Sampling and Characterization Facility (WSCF) drums into LERF Basins
- Received 242A Evaporator cooling water and process condensate as part of 242A readiness assessment
- Completed:
 - o Calibrations of verification tank transmitters
 - o Repairs to Treated Effluent Disposal Facility's (TEDF) flow signal
 - o Road grading from ETF to TEDF
 - o Support to after-hours drill at Waste Encapsulation and Storage Facility (WESF)
 - o Support to Environmental Management Assessment
 - o Providing resources to Groundwater Project for twice a shift inspections of 200 West Pump and Treat Facility
 - o Annual A-Frame inspection

LERF Basin Cleanup

- Completed scheduled repairs to Liquid Effluent Retention Facility (LERF) Basin covers
- Continued inspection and cleanup activities on Basin 44
- Continued inspection and cleanup activities on Basin 42 with second crane
- Completed eight LERF Basin 44 filters changes
- Completed three LERF Basin 42 filter changes
- Removed full “Geotube” filter from Basin 44 containing 13,000 lbs. of mud
- Installed jib on LERF Basin 42 crane to allow further reach to remove remaining vegetation
- Operated three cooling sheds at LERF Basins to minimize impact due to hot weather and allow full operations

LERF Basin Number	Bulk Water Pumped This Month (gallons)	Bulk Water Pumped CY14 (gallons)	Slurry Pumped This Month (gallons)	Slurry Pumped CY14 (gallons)	Mud Removed This Month (pounds)	Mud Removed CY14 (pounds)	% Complete	Change
42	9,200	144,146	29,375	30,375	0	0	96	+4
43	0	0	0	0	0	0	95	+11
44	50,370	245,402	39,940	93,321	13,500	20,500	93	+2

Environmental Restoration Disposal Facility (ERDF) Leachate to 200 West Pump-and-Treat Facility (200W P&T)

- Continued development of Functional Design Criteria for the ERDF leachate to the 200W Pump-and-Treat system
- Continued development of Rough Order of Magnitude (ROM) for entire project, due to DOE-RL July 31, 2014
- Continued conceptual and preliminary designs

Effluent Treatment Facilities (ETF)

- Received 7 tankers:
 - 35.0K gallons (266K fiscal year [FY])
- Received 16 drums from WSCF
- Treated effluent to State-Approved Land Disposal Site:
 - 0.0M gallons (1.9M FY)
- Discharged to 200A TEDF:
 - 31.2M gallons (144M FY)
- Received ERDF Leachate
 - 146K gallons (1.64M FY)

13.12 Integrated Disposal Facility

- Completed monthly inspections

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.21 Mixed Waste Disposal Trenches

- Completed:
 - One TSR surveillance
 - 16 Rad surveillances
 - Four Operational surveillances
- Shipments:
 - Received four shipments totaling 12 waste packages of processed/treated M/LLW from PFNW

Work for Others

- Performed escort boat and trailer annual PM in preparation for Navy reactor compartment shipments

MAJOR ISSUES

Issue: Approximately ten small cuts were identified on Basin 44 cover and liquid can be observed bubbling onto cover.

Corrective Action: Option review in process.

Status: Daily pumping, as necessary, of liquid is being executed while long term corrective actions are developed.

Issue: During repairs to Basin 42 cover deficiencies, two small cuts were identified on the primary liner under the cover. Both cuts are well above the water line.

Corrective Action: Develop work package to repair liner

Status: Work package in development to repair liner; RCRA Permit Class 2 Modification will be submitted to Ecology to allow repairs to be performed. Requested temporary authorization from Ecology.

Issue: Deteriorating Waste Containers - Retrieved and repackaged containers in storage are showing increased degradation requiring additional mitigation activities

Corrective Action: Significant risk remains. TRU Disposition activities would prepare the contents of these containers in a configuration suitable for eventual disposal at the Waste Isolation Pilot Plant. This configuration would also mitigate/eliminate the risk and additional cost for long-term management of these containers.

Status: Continuing to use the best demonstrated available technology to provide adequate configuration and minimize the potential for contamination spread during the long-term storage (i.e. protecting boxes with tarps or protective shoring and overpacking drums). Provided letter to RL identifying risk and requesting path forward, awaiting RL response.

Issue: Emergency lighting in the Central Waste Complex (CWC) and Waste Receiving and Packaging (WRAP) facilities is failing at an increasing rate. The current version of fluorescent lighting for the 2403 series buildings is no longer available.

Corrective Action: Procure and install new lighting that is readily available and can be maintained in inventory system.

Status: Repairs/replacement is taking place with remaining spares inventory, sufficient to remove compensatory measures.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Risk Response Effective Increased Confidence
 Risk Response Partially Effective No Change
 Risk Response Not Effective Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0013				
PRC-010: Requirements Change	Changes to DOE Orders, Federal, or State Regulations could impact the baseline scope, schedule and/or cost. There is a risk that state directed changes could impact the ability to perform work in the planned manner.			Continued discussions with Regulators indicate potential for additional changes (CWC). Implementation of LERF Air Permit initiated (~20 procedures impacted).
WSD-019: Commercial Capability	MLLW treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled. W&F manages contract for CHPRC waste treatment. Work scope within PBS RL-0013 is not impacted. Mixed Waste may require temporary storage within CWC until sufficient volume is generated for efficient processing. Evaluate additional waste volumes of TRU waste being sent to treatment contractors to maintain contract viability.			Forecasted volumes from CHPRC Projects may not allow commercial capability to remain viable. DOT Exemptions to transport to/from off-site contractor are complete . Additional shipments are identified in "Buy Back/Integrated Priority List" list but currently fall below the available funding line (pending RL approval).
WSD-086: W&FM Industrial Accident or Contamination	Workers are trained in equipment operation, radiological control procedures (ALARA), and response to events. Processes and procedures identify safe equipment operation, control of radiological/hazardous materials.			LERF cover cleaning and Trench 94 biological contamination cleanup progressing.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform routine surveillances (daily/weekly) of containers within the SWOC storage areas and identify abnormalities. Develop a "watch-list" for containers that have existing corrosion to monitor for signs of accelerated corrosion. Develop plans for dealing with degraded/abnormal containers. Discrepant containers may require additional monitoring, patching, covering or overpack as required. If a breach is identified, implement response procedures and perform response actions as appropriate.			Continue to perform re-labeling, covering and overpacking of containers in CWC. PNOC has been transmitted to DOE-RL regarding additional requirements for Box 231-ZDR-11. Procurements initiated to acquire overpack container and materials for Box 231-ZDR-11 PNOC transmitted to RL for Phase 2B of Agreed Order permitting plan .
WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) WSD-136: (CWC) Equipment Failure at W&F Facility	Continue with the current maintenance program and aggressive PM and CM program. Maintain spare parts inventory, perform Preventative Maintenance as scheduled, and remove unused equipment from service.			<ul style="list-style-type: none"> Heat Exchanger procurement continuing. LERF Cover anomalies are being evaluated & developing repair strategy. Schedule developed to address CWC repair items 2706-T fire barrier repair work initiated. Risk Response Plan partially effective – Continuing to experience Corrective Maintenance at higher rate than planned.
WSD-133: Results of External Audits/Assessments Impact Operations	Conduct operations in accordance with current approved procedures and processes. CHPRC and RL conduct routine assessments to assess conduct of operations and maintenance activities. Work with oversight groups to understand regulatory basis for interpretations.			Working compliance matrix and implementing actions/documents for the Ecology Agreed Order. Requirements exceed planned work scope in relation to box 231-ZDR-11.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	6.6	7.5	7.1	0.9	14.5%	0.4	5.9%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (\$0.9M/+14.5%)

The current period schedule variance is due to implementation of planned efficiencies.

CM Cost Performance (+\$0.4M/+5.9%)

The current period cost variance is due to implementation of planned efficiencies.

Contract-to-Date (CTD)

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	860.9	862.2	831.2	1.3	0.2%	31.0	3.6%	1,342.0	1,254.0	88.0

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (+\$1.3M/+0.2%)

The schedule variance is within threshold.

CTD Cost Performance (+\$31.0M/+3.6%)

The cost variance is within threshold.

Variance at Completion (+\$88.0M/+6.6%)

The Variance at Completion is due to implementation of planned efficiencies.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	83.8	81.4	2.5

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Projected Funding is unchanged from the prior month. The change in FY2014 Spending Forecast from \$79.8 to \$81.4 is primarily the result of adjustments related to authorized buy back scope and minor revisions to multiple estimates.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCRA-PRC-14-021R0 - *HPIC Updates July 2014*

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a one year look ahead of commitments and Tri-Party Agreement enforceable milestones and non-enforceable target due dates. Tri-Party Agreement Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2014 funding scenarios and Hanford site priorities.

SELF-PERFORMED WORK

The Section H.20 clause entitled, "Self-Performed Work," is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

Contract Section	Project	GFS/I	Status
CONTRACT			
J.12/C.2.3.6	PBS-13, Transuranic Waste Certification	WIPP provides shipping resources and manages the schedule for transportation of these containers to WIPP. The schedule is variable and the number of shipments is controlled by DOE-HQ on a complex-wide priority. Cost for shipment of TRU waste offsite is borne by the CBFO.	Ongoing (pending restart of WIPP Shipments)

Section D

Soil and Groundwater Remediation Project (RL-0030)



CH2MHILL
Plateau Remediation Company



M. J. Cherry
Acting Vice President and
Project Manager for
Soil and Groundwater
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M. N. Jaraysi
Vice President for
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July 2014
CHPRC-2014-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Pump-and-Treat (P&T) Operations continued progress on the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)* remedial process documentation for the River Corridor and Central Plateau. Sampling and groundwater treatment completed in July includes the following:

Treatment Facility	Million Gallons Treated		Chrome (kg)		Carbon Tet (kg)		Nitrate as N (kg)		Tech-99 (pCi)	
	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD
DX P&T	29.5	252.4	15.54	189.37	-	-	-	-	-	-
HX P&T	34.2	264.9	1.55	20.33	-	-	-	-	-	-
KR-4 P&T	13.3	120.6	0.45	4.60	-	-	-	-	-	-
KW P&T	12.0	127.4	0.92	12.02	-	-	-	-	-	-
KX P&T	27.0	238.8	2.02	20.56	-	-	-	-	-	-
200 West P&T	72.6	637.8	6.79	62.18	270	2,401	5,104	45,022	.127x10 ¹²	.944x10 ¹²
Combined	188.5	1,641.8	27.3	309.1	270	2,401	5,104	45,022	.127x10¹²	.944x10¹²

Sampling	July	FY2014 Cumulative
Well Sampling Events	186	1,956
Aquifer Tube Sampling Events	15	457
Total Number of Sampling Events	201	2,413
Samples Collected	1,704	11,591
Analyses Performed*	205	15,138

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-SGWR-OB1-T1	Reduce air emissions at the 200 West P&T Facility	Update air emissions baseline for 200 West P&T Facility and evaluate data to identify if additional air modeling is warranted and whether opportunities exist to reduce air-toxic emissions.	9/30/14	On schedule
		A tabulation of emissions, in mass per year, for constituents of concern (i.e., all constituents analyzed for during sampling events). Evaluation results will be documented as a Worksite Assessment(s).	Quarterly	85% complete
14-SGWR-EMS-OB2-T1	Reduce the amount of toxic and/or hazardous materials in the environment	P&T 1.8 billion gallons of contaminated groundwater from all P&T facilities during FY2014.	9/30/14	On schedule

Objective #	Objective	Target	Due Date	Status
		The volume of contaminated groundwater that is treated as measured in gallons.	Monthly	1,641.8M gallons treated through 7/31/14
14-SGWR-EMS-OB3-T1	Reduced resources use (fuel use)	Evaluate opportunities to discharge purge water to ground from newly drilled wells.	9/30/14	Complete
		Report results of evaluation by Well ID/Well Name.	Monthly	Complete
14-SGWR-EMS-OB4-T1	Reduce fuel consumption/greenhouse gas emissions and increase resource utilization (sampling, well maintenance, and waste management personnel)	Seek EPA and Ecology approval to manage miscellaneous solid waste (MSW) from well sampling and maintenance activities in one centralized area.	3/30/14	Under revision
		This target will be met upon submittal of TPA Change Notice to RL, EPA, and Ecology.	Status at completion	Under revision

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	3	30	<p>7/14/2014 - Employee felt pain in right elbow while repositioning a split spoon stand by hand, using a pulling force to rotate the stand. (23423) S&GRP</p> <p>7/21/2014 - Employee stumbled /tripped while stepping over electrical cord and struck left knee on pavement. (23427) S&GRP</p> <p>7/21/2014 - Employee experience knee pain while performing task. Employee was evaluated by HPMC and returned to work without restriction. (23428) S&GRP</p>
Near-Misses	0	2	N/A

KEY ACCOMPLISHMENTS

RL-0030.O1 RL 30 Operations

RL 30 Integration & Assessments

River Corridor Strategic Integration Team

- Managed the software Production Readiness Review Board process for the Hanford Site Groundwater Viewer (HIGRV-II) application which resulted in approval for implementation on June 25, 2014. The viewer allows onsite and offsite access to the Groundwater Annual Report.

Technical Skill Development

- CHPRC, DOE-HQ, RL, and WRPS participated in an introduction to Advanced Simulation Capability for Environmental Management (ASCEM) workshop held at WSU-TC to learn about this complex-wide in-development high performance subsurface computing tool set.

WSCF Closure

- The current schedule indicates the contract(s) for the environmental analytical services will be awarded by August 20, 2014 and for the industrial hygiene analytical services the contract(s) will be awarded by August 27, 2014.

100-NR-2 Operable Unit

- Initiated evaluation of an additional 82 waste sites for the Draft A 100-N RI/FS document, which will require revision to nearly all chapters in the document. These waste sites were remediated during preparation of the RI/FS and now have the data to support final evaluation.

100-HR-3 Operable Unit

- Resolved all 700 comments on the Draft A 100-HR-3 RI/FS and the draft Rev 0 was provided to RL and Ecology for final review on July 22, 2014.

100-FR-3 Operable Unit

- Public Comment period for the 100-FR-3 PP began on June 9, 2014, and continues through August 13, 2014. A public meeting was held in Hood River on July 26, 2014, to present the preferred alternative. Approximately 30 individuals attended the meeting with 8 additional individuals participating via Webinar.
- Initiated the Responsiveness Summary along with Record of Decision (ROD) preparation. The ROD is targeted for approval by September 30, 2014.

Central Plateau

200-IS-1 Operable Unit

- Received signed Change Package C-14-01 on July 30, 2014 that adjusts waste sites between 200-IS-1 and 200-WA-1 Operable Units.
- Submitted revised change package C-13-01 to RL on July 31, 2014; this change package adds 233 waste sites to 200-IS-1 and identifies TSDs, where appropriate.

200-UP-1 Operable Unit

- The balance of plant 90 percent design is in the process of being finalized.
- Drilling at the first of two extraction wells has advanced to 261 ft. bgs (water table at 273 ft. bgs).

- Submitted the draft revision of the 200 West P&T O&M Plan incorporating the 200-UP-1 uranium system to RL for review.

200-BP-5 Operable Unit

- The Groundwater Sampling and Analysis Plan for the 200-BP-5 Groundwater Operable Unit, Decisional Draft was delivered to RL for review on July 30, 2014.
- A status meeting was held with Ecology on July 30, 2014, to discuss the status of 200-BP-5 and 200-PO-1 RI/FS activities, the treatability test and associated pipeline to the 200 West P&T Facility, groundwater monitoring SAP revisions, deferring TPA milestone M-15-21A, and the planned 200-BP-5 Removal Action.

200-PO-1 Operable Unit

- Transmitted Draft A Groundwater Sampling and Analysis Plan for the 200-PO-1 Groundwater Operable Unit to RL on July 22, 2014, for submittal to the regulators for review.

200-ZP-1 Operable Unit

- Completed construction of an excavated road crossing west of Injection Transfer Building #1 in preparation for connection of injection well YJ23.

200 West P&T

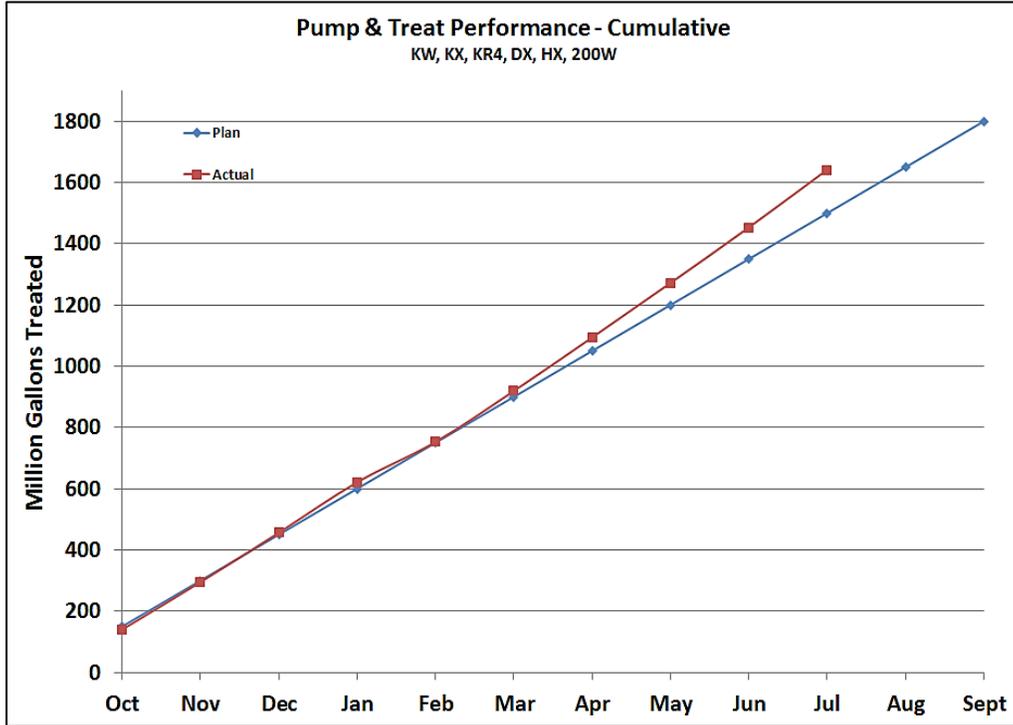
- Average pumping rate for July was 1,597 gpm.
- Effluent concentrations remain below cleanup levels specified in ROD.
- One unplanned shutdown occurred on July 2, 2014, at 5:45 am due to a loss of communication between the control system, Injection Transfer Building 2, and the Injection Manifold Buildings. The plant was re-started approximately two hours later.

200-DV-1 Operable Unit

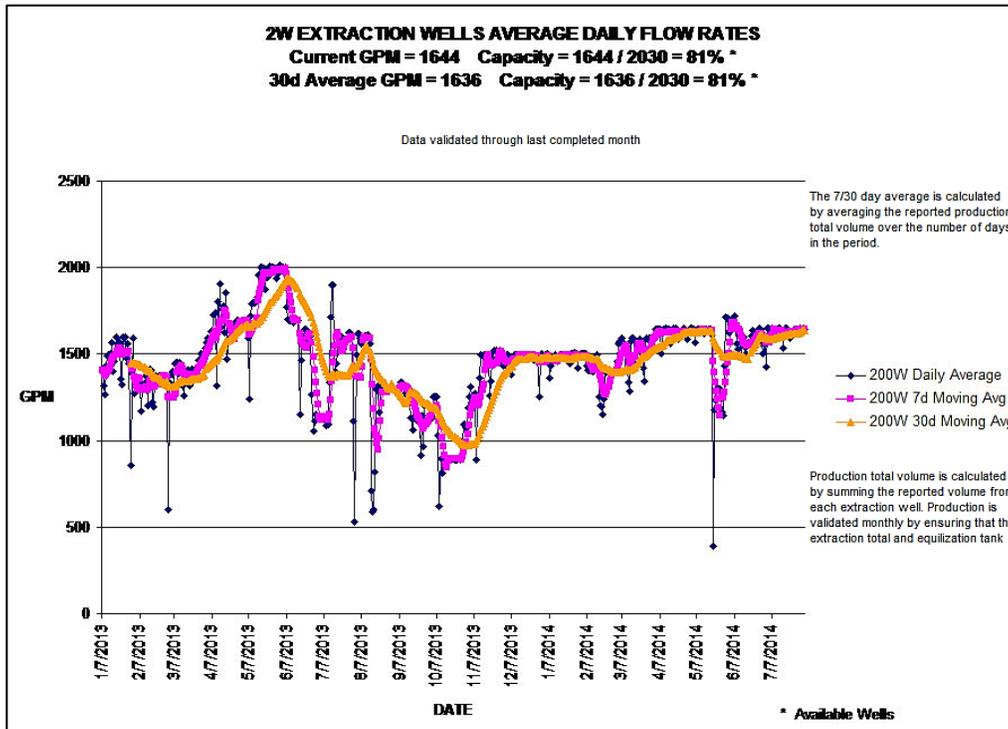
- The B Area perched water extraction system removed 6,763 gallons in July, bringing the total volume of perched water removed to 219,583 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of July:

Contaminant	July	Cumulative (since startup)
Tc-99	1.3 E-04 Ci	28.2 E-03 Ci
Uranium	2.0 kg	47.4 kg
Nitrates	14.1 kg	447.9 kg

FY2014 P&T Operations



200 West P&T Operations



MAJOR ISSUES

Issue – Tribal approval of the Section 106 Cultural Review Document that will allow injection of apatite in the 100-NR-2 barrier wells has been delayed. Approval of this document is required before construction of the 100-NR-2 apatite barrier can begin. This delay has impacted our ability to complete installation of the apatite barrier.

Corrective Action – Several field tours of the 100-NR-2 apatite barrier have been provided to the Nez Perce, Umatilla, and Yakama. The Section 106 Cultural Review Document was revised to include only the scope associated with apatite aquifer injection and resubmitted in April for Tribal approval. The 30-day review period on the resubmitted document ended on May 26, 2014, without approval. The Section 106 Cultural Review Document was then revised to include both the apatite barrier and vadose zone jet injection scope, which resulted in an adverse effects determination. A Memorandum of Agreement (MOA) is being prepared to address mitigation of past damages.

Status – Follow-up meetings between RL and the Tribes have not been successful in obtaining their approval of the MOA. Due to the delay, installation of the 100-NR-2 apatite barrier has been deferred to FY2015.

RISK MANAGEMENT STATUS

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
<p>SGW-045: Regulator Comments Change Requirements</p> <p>SGW-008: Regulatory Documents Result in Significant Comments from Regulators</p>	A standardized approach has been developed to quickly evaluate and categorize comments for resolution. This process also identifies comments that will require management attention in order to achieve resolution. For significant comments, white papers are prepared for RL management concurrence. These white papers then form the basis to help resolve significant comments with the agencies. In addition, routine meetings are conducted to address agency comments and to remain current on the influences from agencies.			<p>All Ecology's comments on the Draft A 100-D/H RI/FS have been resolved. The Draft Rev 0 has been provided to RL and Ecology for final review.</p> <p>Four technical position papers have also been submitted to Ecology to resolve significant comments on the 100-N RI/FS Report, Draft A. Of the four technical position papers, it appears that additional evaluation will be required to resolve the path forward for phyto-remediation in the 100-N RI/FS.</p>
SGW-004: Cultural Resource Reviews	Obtain cultural/ecological reviews before design progresses. Walk downs with cultural resource review teams (tribal, DOE, Engineering, etc.) to start early and be performed periodically throughout the process. Assign contractors to other activities while awaiting results. Work with the State Archeological and Historical Preservation office.			<p>CHPRC continues to work with MSA to accelerate cultural reviews for existing work and is developing a strategy for conducting areal reviews to eliminate the need for project by project reviews in the same areas.</p> <p>Several meetings have been held with the Tribes to help resolve their specific concerns regarding 100-N Area. To date, these meetings have not been successful and as a result, installation of the 100-N apatite barrier has been delayed. A revised Section 6 "Cultural Resources Review (CRR)" was submitted to RL from MSA on July 1, 2014, with a draft MOA attached.</p>
<p>OPPORTUNITY:</p> <p>SGW-007A: Sampling Requirement Reduction</p> <p>SGW-007B: Analytical Reduction</p>	<p>Sampling reduction can be achieved by combining sample sites, promptly removing sample sites from the list once characterization is established to support regulatory down-posting, work with regulatory agencies to minimize sample sites and sampling frequencies (i.e. quarterly to yearly).</p> <p>Analytical and laboratory characterization can be achieved by working with regulatory agencies to minimize the analysis required, determining a standardized analyses runs, and working with the laboratories to streamline data validation processes.</p>			<p>Several actions are underway to implement this opportunity. First, a plan to reduce the number of overall SAPs and associated sampling over the next three years was provided to RL on March 30, 2014. RL's comments have been incorporated and the revised plan is expected to be completed in August. In accordance with this plan, two revised monitoring plans (100-D/H, and 200-PO-1) have been provided to RL for review by the internal SAP Review. Both of these plans are expected to be provided to the Agencies this fiscal year.</p>
SGW-160: Failed Well Trips	Develop pre-sample inspection and performance plans for each well or well network. Perform pre-inspection trips to ensure the well can be accessed and include IH monitoring during the pre-inspection trip. Combine multiple well trips into one sampling event based on results of pre-sample inspection results. Utilize established procedures to respond to failed motors/equipment, high IH readings, and when to identify stop-work when conditions are outside established protocols. Reassign sampling crews to other wells if alternate work is available.			Preinspections continue to avoid failed trips.
SGW-159: Ability to Maintain Flow Rates through Pump and Treat Units	Acquire technical specialist in bio-reactor operation at 200 West P&T to oversee the complexity associated with the water volume/flow and evaluate optimization and nutrient additions to the bed reactor. Installation of additional extraction or injection wells is required to boost pumping rates to 2,000 gpm. Routine well maintenance/equipment maintenance program is essential to maximize operational efficiency and minimize down-time.			Response Plan Effective

SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operations and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.			Response Plan Effective
SGW-135: Major Equipment Failure at a Pump & Treat	For the P&T facilities, maintenance will continue with the established Preventative Maintenance and Corrective Maintenance program. Utilize trending to monitor precipitate and bio-fouling of injection wells. Utilize trends to optimize well cleaning frequency to keep injection wells clear of precipitate and bio-fouling. Install additional injection wells to increase injection capacity and plan down-time for injection well cleaning cycles. Continue staff training on equipment and processes. Maintain spare-parts inventory.			Pump and treat plants operating as designed. 200-West P&T continuing to experience higher than planned maintenance due to injection well bio-fouling and instrumentation issues.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	10.0	9.2	9.8	(0.8)	-8.0	(0.6)	-6.9

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance (-\$0.8M/-8.0%) The negative schedule variance resulted from the following:

- Based on regulator input, the last three BP-5 Modutank wells will not be drilled in FY 2014.
- Work on the 100-KR-4 and 100-HR-3 well realignments was performed earlier in the year.
- Due to the delay in the 100-NR-2 cultural and ecological resource reviews the barrier expansion and jet injection activities have been put on hold.

CM Cost Performance (-\$0.6M/-6.9%) The negative cost variance resulted from the following:

- The technical approach for the UP-1 wells has changed (initiating drilling with 16 inch temporary casing with an 8 inch completion casing).
- Construction of the ZP-1 wells has run into some difficulties.
- The July accrual for the offsite analytical services includes the May and June costs which were not accrued in prior months.
- There were extensive comments on the 100-HR-3 CERCLA documents.
- Upgrade for the anti-foam injection system for 200 West P&T.
- Additional chemical procurement for the 200 West P&T.
- Subcontract, material, and labor costs for hookup of injection wells to the 200 West P&T.

Contract-to-Date (\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	989.9	990.6	977.9	0.7	0.1	12.6	1.3	1,510.9	1,479.4	30.9

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (+\$0.7M/+0.1%)

Variance is within reporting thresholds.

CTD Cost Performance (+\$12.6M/+1.3%)

Variance is within reporting thresholds.

Estimate at Completion (EAC)

The Estimate at Completion change from the previous month is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0030 Soil and Groundwater Remediation	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0030	121.5	111.6	9.8

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Projected Funding remained unchanged at \$121.5M. Spending forecast has been reduced to reflect impacts of the delay with the cultural and ecological review on the apatite injections as well as the value of the awarded subcontracts for the UP-1 and ZP-1 wells.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-14-018R0 – CO #246, *Technical Feasibility Evaluation for Uranium Treatment at 200W P&T*

FY2014 Management Reserve (Funded): \$0.75M

No FY2014 Management Reserve was used during July.

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant achievements in project execution. Enforceable TPA milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key activities. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of TPA enforceable milestones, non-enforceable target due dates and commitments.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-65-T01	Conclude Discussions of Well Commitments	TPA	8/1/14	7/30/14		Complete
M-015-112	Submit Draft B, 200-IS-1 Operable Unit Pipeline System Waste Sites RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14			Resolution dispute was extended on June 17, 2014, via TPA change notice to August 30, 2014. Negotiations are underway to revise the milestone due date.
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	3/31/15		3/31/15	TPA change control form M-15-14-02 was approved on July 22, 2014, to extend the due date to March 31, 2015.
M-091-40L-043	PMM Submittal Apr-Jun 3rd Qtr. FY2014 Burial Ground Sample Results	TPA	9/15/14		9/15/14	On schedule
M-015-38B	Submit Revised FS & PP for 200-CW-1, 200-CW-3, & 200-OA-1 Operable Units	TPA	10/30/15		10/30/15	TPA change control form M-15-14-01 was approved on July 17, 2014, to extend the due date to October 30, 2015, to submit a schedule for this document considering the Central Plateau strategic planning and future funding.
M-091-40L-044	PMM Submittal Jul-Sep 4th Qtr. FY2014 Burial Ground Sample Results	TPA	12/15/14		12/15/14	On schedule
M-091-40L-045	PMM submittal Oct-Dec 1st Qtr. FY2015 Burial Ground Sample Results	TPA	3/15/15		3/15/15	On schedule
M-015-110A	Submit RFI/CMS & RI/FS Work Plan for 200-DV-1 OU to Ecology	TPA	3/31/15		9/15/14	On schedule
M-024-58H	Initiate Discussions of Well Commitments	TPA	6/1/15		6/1/15	On schedule
M-091-40L-046	PMM submittal Jan-Mar 2nd Qtr. FY2015 Burial Ground Sample Results	TPA	6/15/15		6/15/15	On schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-21A	Submit 200-BP-5 & 200-PO-1 OU FS Report and PP(s) to Ecology	TPA	6/30/15			Milestone is not funded in FY2014 and will be missed.
M-015-92A	Submit RFI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	TPA	6/30/15			Milestone is not funded in FY2014 and will be missed.

SELF-PERFORMED WORK

The Section H.20 clause entitled, "Self-Performed Work," is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

Nuclear Facility D&D, Remainder of Hanford (RL-0040)



L. T. Blackford
Vice President and
Project Manager for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

July 2014
CHPRC-2014-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, correcting posting issues), conducted 78 radiological facility surveillances, and completed 47 preventive maintenance (PM) activities.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	09/30/14	On Schedule

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	2	4	<ul style="list-style-type: none"> • 7/30/14 - Employee had been performing outside surveillance when later reported back stiffening up. Body part affected: low back (23437) • 7/29/14 - Employee reported bumping head on scaffolding. Body part affected: Upper back (23439)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
- Completed:
 - o 78 radiological facility surveillances
 - o 47 preventive maintenance (PM) activities
 - o 241-CX-70/71/72 Surveillance

- Abandoned Steam Lines
 - o Continued planning/preparing Work Packages for removal of approximately 1,100 linear feet of high priority steamline
 - o Initiated removal of first section of steamline on July 7
- Construction Yard Facilities Demolition
 - o Continued Work Package preparation
 - o Completed ground scans and excavation permit
 - o Initiated isolation demolition prep activities on July 7

MAJOR ISSUES

None at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Risk Response Effective
 Risk Response Partially Effective
 Risk Response Not Effective

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0040				
D4-043: Unforeseen Facility Event Impacts Safety or Environment	Unexpected event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc., requires immediate D&D of a small to medium sized facility or requires unplanned facility repairs. Current management of the shutdown facilities includes corrective maintenance based upon historic experience.			Continuing corrective maintenance activities. No unplanned events encountered.
WSR-047: Unforeseen Waste Site Event	Unforeseen waste site event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc. requires immediate disposition or modification to a waste site. Routine surveillance and maintenance of the waste sites, including herbicide applications, is designed to protect workers and the environment.			Performing asbestos and beryllium characterization for the steam line and construction yard demolition.
D4-062: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			Continuing demobilization activities of the PUREX Tank 11. Effective risk response plan. Monitoring emerging issues with facility roofs, contamination spread into surveillance paths, and other high risk facility conditions. Added mitigation efforts to the Integrated Priority List.
D4-064: Aging Building Systems/Components	The facilities have been placed in Surveillance and Maintenance mode. Perform as-scheduled maintenance activities. Perform appropriate regulatory agency and DOE notifications for system failures or prolonged outage. Continually evaluate system maintenance frequencies.			No issues for the current month.
D4-067: Increased Asbestos Abatement	Minimal pre-mitigation is possible. Conduct asbestos abatement to maintain a safe and complaint work site.			Developing prioritization of abandoned steam line removal sections with additional funding. Received authorization to repair/abate ~1,100 linear feet of steam line.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.2	1.0	1.0	(-0.3)	-22.2%	(-0.1)	-8.4%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.3M/-22.2%)

Variance is within threshold.

CM Cost Performance: (-\$0.1M/-8.4%)

Variance is within threshold.

Contract-To-Date

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	386.5	385.6	355.5	(0.9)	-0.2%	30.1	7.8%	492.0	459.6	32.4

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance: (-\$0.9M/-0.2%)

Variance is within threshold.

CTD Cost Performance: (+\$30.1M/+7.8%)

The favorable cost variance is due to prior year activity that has been previously reported including:

- ARRA-funded work scope included efficiencies with Program Management (\$2.6M), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0M), lower than planned capital equipment costs (\$3.0M) and efficiencies with Arid Lands Ecology (ALE) (\$3.7M), North Slope Facilities (\$1.2M), disposition of railcars D&D (\$2.1M), and Industrial 7 Project (\$3.6M); this is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (-\$15.3M). Efficiencies in Outer Area Waste Sites (\$6.7M) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, ERDF passback which includes the operational efficiencies associated with use of the super dump truck. In addition, under runs in overhead allocation and Usage Based Services (\$7.3M) contributed to the favorable cost variance.
- The remaining CTD favorable cost variance in base-funded work is due to efficiencies for waste site remediation and D4 activities as a result of utilization of existing site equipment and less resources (\$1.3M), S&M costs less than expected (\$4.1M), U Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1M), Program Management utilizing less resources (\$3.0M) and under run in overhead allocations (\$1.6M).

Variance at Completion (+\$32.4M/+6.5%)

The Variance at Completion is primarily due to implementation of planned efficiencies.

Contract Performance Report Formats are provided in Appendix A.

**FUNDS vs. SPEND FORECAST
(\$M)**

WBS 040/RL-0040 Nuclear Facility D&D	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0040	13.2	12.3	0.9

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Projected Funding remained unchanged from June. Change in spend forecast from \$12.4 to \$12.3 is associated with expected efficiencies in PUREX Tank 11, the demolition of Construction Forces facilities, and work completion deferred to FY2015 due to resource availability.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-04-14-004R0 - *MO956 Demolition*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

The Section H.20 clause entitled, "Self-Performed Work," is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

Nuclear Facility D&D, River Corridor (RL-0041)



L. T. Blackford
Vice President and
Project Manager for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

July 2014
CHPRC-2014-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Continued work planning for 100K Characterization Wells high risk drilling. Completed routine surveillances. MSA is working 100K Head House Area Demolition service request for mechanical (water) and electrical isolations.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OBI-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	09/30/14	On Schedule

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	0	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- 100K Characterization Wells:
 - o Continued work planning for high risk drilling
 - o Completed sampling instruction revision awaiting final signatures
 - o Reviewing draft work instructions for drilling operations
 - o Finalized site prep/backfill design requirements
 - o Finalized work enclosure ventilation design
- 100K Head House Area Demolition
 - o Completed electrical isolation at MO-293 and MO-442
 - o MSA is working service request for mechanical (water) and electrical isolations
 - o Expected start date for water isolation is August 13
- Completed Surveillances
 - o Radiological – 6
 - o WIDS –8

MAJOR ISSUES

None at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Risk Response Effective
 Risk Response Partially Effective
 Risk Response Not Effective

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0041				
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns.
KBC-043: Waste Site Remediation Completion Requirements	Regulator acceptance that cleanup criteria have been achieved on a waste site by waste site basis. The Project may be directed to install monitoring wells to determine if contamination is detected in ground water.			Installation of two additional KE Characterization wells. UPR-100-K1; 116-KE-3. Buy Back authorized \$1.1M (~\$500K in 2014 FYSF). Awaiting RL direction to initiate next phase of the project.
KBC-048: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			No concerns.
KBC-ISS-004: Unforeseen Facility Event Impacts Safety or Environment	The ISMS processes and facility worker training will identify and correct weaknesses such that hazards are eliminated prior to an event. However, some events are unpredictable.			No concerns.

PROJECT BASELINE PERFORMANCE

Current Month
(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.8	0.7	0.2	(0.1)	-11.0%	0.5	77.3%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.1M/-11.0%)

The variance is within reporting threshold.

CM Cost Performance (+\$0.5M/+77.3%)

The current month favorable cost variance is due to the implementation of planned efficiencies in the Program Management accounts. The project is able to perform planned work while being able to direct resources to other CHPRC priority work scope. This is the result of aggressive resource sharing strategies across multiple PBSs.

Contract-to-Date (\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	308.6	308.6	281.8	(0.0)	-0.0%	26.7	8.7%	393.6	349.8	43.8

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.0M/-0.0%)

The schedule variance is within threshold.

CTD Cost Performance (+\$26.7M/+8.7%)

The positive CTD cost variance is primarily the result of prior year activity that have been previously reported and CSNA sites that were completed early and under costs. In addition, less demolition was required for the KE Sedimentation Basin as well as underruns in G&A and Direct Distributables. This is partially offset by the cost overruns in prior years for the Utilities Project.

Variance at Completion (+\$43.8M/+11.1%)

The Variance at Completion is primarily due to implementation of planned efficiencies.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0041	10.1	5.0	5.1

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

Projected Funding is unchanged from the prior month and remains at \$10.1M. The change in FY2014 Spending Forecast from \$5.8M to \$5.0M is associated with anticipated efficiencies in forecasted 100K high-risk characterization activities and head house area facility demolitions.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

None at this time.

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

The Section H.20 clause entitled, “Self-Performed Work,” is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



L. T. Blackford
Vice President and
Project Manager for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

July 2014
CHPRC-2014-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Fast Flux Test Facility (FFTF) is being maintained in a low-cost surveillance and maintenance condition.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	9/30/14	On Schedule

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	0	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Completed:
 - One Preventive Maintenance (PM) activities/operational surveillances
 - Four radiological surveillances
 - Four operational surveillances
- Continued to disposition material from the 440 Pad for excess/waste

MAJOR ISSUES

Issue – Fire System devices are degrading due to the age of the equipment (e.g. pull-boxes, chimes)

Corrective Action – Work with the Fire System Maintenance organization to complete timely repairs of affected equipment.

Status – Continuing preparations of new work packages to perform repairs as resources become available.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Risk Response Effective  Increased Confidence
 Risk Response Partially Effective  No Change
 Risk Response Not Effective  Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0042				
FFTF-012: Major Equipment or Structural Failure	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing Corrective Maintenance activities. No unplanned events encountered.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.2	0.1	0.1	(0.0)	-4.0%	0.1	60.5%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.0M/-4.0%)

The current period schedule variance is within threshold.

CM Cost Performance: (+\$0.1M/+60.5%)

The current period cost variance is within threshold.

Contract-to-Date

(\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	17.7	17.7	14.9	(0.0)	-0.1%	2.8	16.0%	26.5	20.3	6.2

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.0M/-0.1%)

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$2.8M/+16.0%)

The favorable CTD cost variance reflects efficient use of resources to support deactivation activities.

Variance at Completion (+\$6.2M/+23.3%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS VS. SPEND FORECAST (\$M)

FY2014			
RL-0042 FFTF Closure	Projected Funding	Spending Forecast	Spend Variance
RL-0042	2.3	1.8	0.5

Numbers are rounded to the nearest \$0.1M

Funds Analysis

Projected Funding and Spending Forecast are unchanged from the prior month.

Critical Path Schedule

Critical path analysis is not applicable to this project. Remaining contract scope is performance of interim surveillance and maintenance activities.

Baseline Change Requests

None at this time.

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

The Section H.20 clause entitled, "Self-Performed Work," is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Appendix A

Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis



July 2014
CHPRC-2014-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

FORMAT 1, DD FORM 2734/1, WORK BREAKDOWN STRUCTURE

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR			2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract				a. FROM (YYYYMMDD) 2014 / 06 / 23					
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD) 2014 / 07 / 20						
c. TYPE CPAF			d. SHARE RATIO													
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS						
	5,468,189	15,890		228,491	5,696,680	5,557,186	5,696,680	5,557,186								
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE										
		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Corman, R. K.			b. TITLE Prime Contract Manager					
a. BEST CASE		5,246,843						c. SIGNATURE			d. DATE SIGNED 7/20/2014					
b. WORST CASE		5,474,244														
c. MOST LIKELY		5,328,694		5,484,079		155,385										
8. PERFORMANCE DATA																
WBS[1] ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
011 RL-11 NM Stabilization and Disposition PFP	7,640	5,784	7,012	(1,857)	(1,228)	708,889	679,538	716,220	(29,351)	(36,682)	0	0	0	935,378	956,116	(20,738)
012 RL-12 SNF Stabilization and Disposition	4,117	5,216	5,560	1,099	(343)	426,908	429,261	439,875	2,353	(10,614)	0	0	0	692,566	727,571	(35,005)
013 RL-13 Solid Waste Stabilization & Disposition	6,582	7,535	7,089	953	446	860,870	862,206	831,244	1,336	30,963	0	0	0	1,342,047	1,254,015	88,032
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	9,994	9,191	9,826	(803)	(635)	989,891	990,556	977,931	665	12,625	0	0	0	1,510,333	1,479,428	30,905
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,236	962	1,042	(274)	(80)	386,549	385,631	355,498	(919)	30,133	0	0	0	491,968	459,613	32,355
041 RL-41 Nuclear Facility D&D - River Corridor	764	680	154	(84)	526	308,591	308,589	281,846	(2)	26,743	0	0	0	393,592	349,836	43,756
042 RL-42 FFTF Closure	154	148	58	(6)	89	17,743	17,728	14,893	(15)	2,835	0	0	0	26,508	20,264	6,244
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	30,487	29,515	30,741	(973)	(1,227)	3,699,442	3,673,509	3,617,506	(25,933)	56,002	0	0	0	5,392,392	5,246,843	145,549
f. Management Reserve														81,852		
g. Total	30,487	29,515	30,741	(973)	(1,227)	3,699,442	3,673,509	3,617,506	(25,933)	56,002	0	0	0	5,474,244		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance									(25,933)	56,002				5,474,244	5,246,843	227,401

Block 5a-h differences, if any, to B.4-1 Table values are addressed by in-process BCR(s).

FORMAT 2, DD FORM 2734/2, ORGANIZATIONAL CATEGORIES

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES											DOLLARS IN - Thousands of \$			FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR		2. CONTRACT			3. PROGRAM			4. REPORT PERIOD									
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2014/06/23									
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2014/07/20									
c. TYPE CPAF		d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X			9/18/2009									
5. PERFORMANCE DATA																	
ITEM (1)	FOC	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
		BUDGETED COST		ACTUAL COST		VARIANCE	BUDGETED COST		ACTUAL COST		VARIANCE	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
		WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)		COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)							
34 - Env Program & Strategic Planning																	
340 - Environmental Prog & Regl Mgt																	
		485	648	583	163	66	46,894	47,352	43,333	458	4,019	0	0	0	83,054	76,445	6,610
		485	648	583	163	66	46,894	47,352	43,333	458	4,019	0	0	0	83,054	76,445	6,610
35 - Business Services																	
35D - Contract Mgmt & Facility Svcs																	
		0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	23,047	23,520	(473)
35K - PRC Finance																	
		0	0	0	0	0	429,349	429,349	405,709	0	23,640	0	0	0	429,349	405,709	23,640
		0	0	0	0	0	452,396	452,396	429,230	0	23,167	0	0	0	452,396	429,230	23,167
36 - Prime Cont & Project Integration																	
362 - Strategic Pln & Mgmt																	
		127	62	139	(64)	(77)	871	654	581	(217)	74	0	0	0	1,215	1,152	63
363 - EVMS Compl & Rptg																	
		0	0	0	0	0	20,128	20,128	20,128	0	0	0	0	0	20,128	20,128	0
		127	62	139	(64)	(77)	20,999	20,782	20,708	(217)	74	0	0	0	21,343	21,280	63
38 - Project Technical Services																	
382 - Training & Procedures																	
		0	0	0	0	0	(0)	(0)	0	0	(0)	0	0	0	(0)	0	(0)
385 - K Annex Construction & ECRTS																	
		1,530	2,787	2,731	1,257	56	36,450	38,859	60,134	2,409	(21,275)	0	0	0	95,413	133,418	(38,005)
		1,530	2,787	2,731	1,257	56	36,450	38,859	60,134	2,409	(21,275)	0	0	0	95,413	133,418	(38,005)
3B - PFP Closure																	
3B0 - PFP Close/BOSS D&D & Infrastruc																	
		1,698	1,007	2,148	(691)	(1,141)	133,058	125,189	142,042	(7,869)	(16,853)	0	0	0	201,579	220,980	(19,401)
3B3 - Project Management/Subcontracts																	
		2,381	1,131	1,378	(1,250)	(246)	132,770	122,703	131,598	(10,067)	(8,895)	0	0	0	185,771	187,038	(1,267)
3B4 - Engrg Nuc Saf Plng&Wrk Control																	
		1,370	1,370	927	0	443	44,022	44,022	37,796	0	6,226	0	0	0	74,095	59,608	14,487
3B7 - Environmental & Waste																	
		640	654	797	15	(142)	50,395	50,627	41,451	233	9,176	0	0	0	73,245	61,453	11,792
3B8 - Project Mgmt D&D																	
		962	955	971	(6)	(15)	146,457	146,449	149,321	(8)	(2,872)	0	0	0	168,021	176,861	(8,840)
3B8B - PFP D4 Deputy Project Mgmt																	
		1,249	1,240	933	(9)	308	356,601	344,960	351,426	(11,641)	(6,465)	0	0	0	464,326	455,146	9,180
3B8C - PFP Cold & Dark																	
		0	0	0	0	0	0	0	1	0	(1)	0	0	0	0	0	(1)
		8,299	6,358	7,152	(1,941)	(794)	863,303	833,950	853,634	(29,353)	(19,684)	0	0	0	1,167,037	1,161,086	5,951
3C - W&FMP/D&DD Project																	
3C4D - Sludge Treatment Project																	
		2,587	2,429	2,829	(158)	(400)	340,888	340,832	333,841	(56)	6,991	0	0	0	547,583	548,253	(670)
3C4 - Waste & Fuels Project Controls																	
		2,149	2,103	1,423	(46)	680	191,936	191,811	197,855	(125)	(6,043)	0	0	0	318,432	295,698	22,735
3C5 - TRU Project																	
		0	0	0	0	0	49,140	49,140	52,386	0	(3,247)	0	0	0	49,140	52,386	(3,247)
3C9 - Liquid & Fuels Storage																	
		2,684	2,750	2,716	66	34	179,035	179,445	168,855	410	10,590	0	0	0	398,536	389,346	9,191
3CA - W&FMP Engineering																	
		0	0	0	0	0	0	0	2	0	(2)	0	0	0	0	2	(2)
3CD - Waste Disposition																	
		3,118	3,834	3,925	716	(92)	722,943	723,277	680,330	334	42,947	0	0	0	979,718	894,115	85,603
		10,538	11,116	10,894	579	223	1,483,942	1,484,505	1,433,268	563	51,237	0	0	0	2,293,410	2,179,799	113,610
3D - Soil & Groundwater Remediation																	
3D0 - Soil & Groundwater Remediation																	
		1,561	1,515	1,878	(47)	(364)	97,002	96,964	99,322	(38)	(2,358)	0	0	0	194,715	182,726	11,988
3D2 - GW Remediation Support																	
		1,789	1,795	1,759	6	35	145,080	145,486	135,633	406	9,853	0	0	0	256,216	241,957	14,259
3D4 - GW Operations																	
		1,138	1,131	1,087	(7)	44	95,215	95,200	81,812	(16)	13,388	0	0	0	164,429	150,443	13,986
3D8 - GW Analysis and Reporting																	
		5,020	4,103	4,519	(918)	(416)	458,160	458,015	460,433	(145)	(2,418)	0	0	0	664,380	670,459	(6,079)
		9,509	8,543	9,244	(966)	(701)	795,457	795,665	777,199	207	18,465	0	0	0	1,279,739	1,245,585	34,154
b. Cost of Money																	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.																	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																	
e. Sub Total																	
		30,487	29,515	30,741	(973)	(1,227)	3,699,443	3,673,509	3,617,506	(25,933)	56,002	0	0	0	5,392,392	5,246,843	145,549
f. Management Resrv.																	
														81,852			
		30,487	29,515	30,741	(973)	(1,227)	3,699,443	3,673,509	3,617,506	(25,933)	56,003	0	0	0	5,474,244		

FORMAT 3, DD FORM 2734/3, BASELINE

July 2014 Monthly Report

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE											DOLLARS IN THOUSANDS					Form Approved OMB No. 0704-0188		
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA			2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:			3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009					4. REPORT PERIOD a. FROM: 2014/06/23 b. TO: 2014/07/20							
5. CONTRACT DATA																		
a. ORIGINAL NEGOTIATED COST 4,312,366			b. NEGOTIATED CONTRACT CHANGE \$1,155,823		c. CURRENT NEGOTIATED COST (A + B) \$5,468,189		d. ESTIMATED COST AUTH UNPRICED WORK \$15,890		e. CONTRACT BUDGET BASE (C + D) \$5,484,079			f. TOTAL ALLOCATED BUDGET \$5,474,243		g. DIFFERENCE (E - F) \$9,835				
h. CONTRACT START DATE 6/19/2008			i. DEFINITIZATION DATE 6/19/2008		j. PLANNED COMPL DATE 9/30/2018			k. CONT COMPLETION DATE 9/30/2018										
6. PERFORMANCE DATA																		
ITEM (1)			BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)											UNDISTRIB BUDGET (16)	TOTAL BUDGET (17)	
					SIX MONTH FORECAST						FY09-13 (10)	FY14 (11)	FY15 (12)	FY16 (13)	FY17 (14)			FY18 (15)
	+1 Aug-14 (4)	+2 Sep-14 (5)	+3 Oct-14 (6)	+4 Nov-14 (7)	+5 Dec-14 (8)	+6 Jan-15 (9)												
a. PM BASELINE (BEGIN OF PERIOD)			3,668,598	30,212	40,267	42,532	28,308	32,175	29,036	28,909	3,391,477	390,756	438,469	430,788	370,762	370,639	0	5,392,891
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																		
BCR-030-14-018R0, CO #246, Technical Feasibility Evaluation for Uranium Treatment at 200W P&T												8	(550)					(542)
BCR-040-14-004R0, MO 956 Demolition											43							43
c. PM BASELINE (END OF PERIOD)			3,668,955	30,569	40,295	42,548	28,308	32,175	29,036	38,239	3,391,477	390,807	438,469	430,238	370,762	370,639	0	5,392,392
7. MANAGEMENT RESERVE																		
8. TOTAL																		

Block 5.g "Difference" is attributable to net delta of NTEs, G&A Allocations, B4 Table adjustments, and BCRs processed.

CONTRACT PERFORMANCE REPORT											CLASSIFICATION (When Filled In)	
FORMAT 4 - STAFFING											FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD		
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2014 / 06 / 23		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE			b. TO (YYYYMMDD)		
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE YES 9/18/2009			2014 / 07 / 20		
5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)												
Organizational Breakdown Structure (OBS) ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)								AT COMPLETION (15)	
			SIX MONTH FORECAST									
			+1 Aug (4)	+2 Sep (5)	+3 Oct (6)	+4 Nov (7)	+5 Dec (8)	+6 Jan (9)	FY15-18 (13)			
303 - Internal Audit												
303 - Internal Audit	4	298	5	5	5	5	5	5	5	215	542	
	4	298	5	5	5	5	5	5	5	215	542	
304 - General Counsel												
304 - General Counsel	4	286	5	4	5	5	5	5	5	215	530	
	4	286	5	4	5	5	5	5	5	215	530	
31 - Communications												
310 - Communications	7	688	9	9	9	9	9	9	9	387	1,129	
	7	688	9	9	9	9	9	9	9	387	1,130	
32 - Safety, Health, Security & Quality												
320 - Safety Health Security/Quality	22	1,951	29	29	26	26	26	26	26	1,111	3,223	
321 - RAD PRO/Emergency Prep	10	779	9	9	9	9	9	9	9	391	1,223	
322 - Nuclear Ops Supp & Compliance	6	707	8	8	8	8	8	8	8	344	1,099	
324 - Quality Assurance	14	1,619	16	16	17	17	17	17	17	743	2,463	
	52	5,055	62	62	60	60	60	60	60	2,589	8,008	
34 - Environmental Prog & Strategic Planning												
340 - Environmental Prog & Regl Mgt	40	2,237	41	41	45	45	45	45	45	2,096	4,594	
341 - Environmental Protection	0	1,000	0	0	0	0	0	0	0	0	1,000	
	40	3,237	41	41	45	45	45	45	45	2,096	5,595	
35 - Business Services												
35D - Contract Mgmt & Facility Svcs	26	3,102	28	28	29	29	29	29	29	1,221	4,494	
35F - Industrial Relations	4	352	4	4	5	5	5	5	5	226	607	
35H - Human Resources	14	988	15	15	15	15	15	15	15	634	1,710	
35K - PRC Finance	16	1,333	17	17	18	18	18	18	18	785	2,225	
	60	5,775	64	64	67	67	67	67	67	2,866	9,036	
36 - Prime Contract & Project Integration												
360 - Prime Cont & Prj Integration	0	1	0	0	0	0	0	0	0	0	1	
361 - Cont Compl & Change Mgmt	12	538	13	13	13	13	13	13	13	559	1,175	
362 - Strategic Pln & Mgmt	17	1,236	21	21	20	20	20	20	20	838	2,195	
363 - EVMS Compl & Rptg	15	1,261	16	16	15	15	15	15	15	645	1,997	
	44	3,036	50	50	48	48	48	48	48	2,042	5,368	
38 - Project Technical Services												
381 - Central Engineering	8	542	9	9	9	9	9	9	9	400	998	
382 - Training & Procedures	8	2,072	10	10	10	10	10	10	10	430	2,562	
383 - Operations Programs	8	753	7	7	7	7	7	7	7	301	1,097	
384 - Project Delivery	12	1,046	10	10	10	10	10	10	10	436	1,543	
385 - K Annex Construction & ECRTS	39	1,539	47	47	62	62	59	55	55	1,576	3,446	
	75	5,951	84	84	98	98	95	91	91	3,144	9,645	
3B - PFP Closure												
3B0 - PFP Close/BOSS D&D & Infrastruc	96	4,735	61	51	53	53	53	54	54	1,661	6,721	
3B3 - Project Management/Subcontracts	62	6,553	96	93	90	98	100	103	103	1,480	8,613	
3B4 - Engrg Nuc Saf Plng&Wrk Control	51	1,957	66	66	53	53	53	53	53	699	2,999	
3B7 - Environmental & Waste	26	2,565	28	28	33	33	33	33	33	563	3,315	
3BA - Project Mgmt D&D	65	10,588	80	80	67	67	67	67	67	1,005	12,020	
3BB - PFP D4 Deputy Project Mgmt	65	15,749	85	85	75	80	78	91	91	3,632	19,876	
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0	0	0	
	365	42,148	415	403	371	384	384	401	401	9,039	53,545	
3C - W&FMP/D&D Project												
3AD - Sludge Treatment Project	135	15,074	134	131	156	155	155	149	149	6,598	22,553	
3C4 - Waste & Fuels Project Controls	56	6,372	63	63	64	64	64	64	64	2,918	9,673	
3C5 - TRU Project	0	582	0	0	0	0	0	0	0	0	582	
3C9 - Liquid & Fuels Storage	138	10,561	148	146	142	142	134	80	80	4,528	15,879	
3CD - Waste Disposition	145	33,100	157	146	143	133	130	130	130	8,719	42,657	
	474	65,689	501	486	506	495	484	422	422	22,763	91,344	
3D - Soil & Groundwater Remediation												
3D0 - Soil & Groundwater Remediation	38	2,799	37	37	40	40	40	40	40	1,817	4,852	
3D2 - GW Remediation Support	50	5,457	66	63	72	64	62	59	59	2,928	8,770	
3D4 - GW Operations	52	4,714	56	56	54	54	54	54	54	2,346	7,387	
3D8 - GW Analysis and Reporting	127	11,148	154	145	137	103	111	127	127	5,771	17,697	
	267	24,118	313	301	303	261	267	280	280	12,863	38,705	
Grand Totals:	1,391	156,282	1,546	1,507	1,516	1,476	1,468	1,433	1,433	58,219	223,449	

FORMAT 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES							FORM APPROVED OMB No. 0704-0188		
1. CONTRACTOR		2. CONTRACT			3. PROGRAM		4. REPORT PERIOD		
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract		a. FROM (YYYY/MM/DD) 2014/06/23		
b. LOCATION (Address and ZIP Code) Richland, WA 99354		b. NUMBER DE-AC06-08RL14788		b. PHASE Base		b. TO (YYYY/MM/DD) 2014/07/20			
		c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE 2009/09/18 NO YES X					
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	30,487	29,515	30,741	(973)	-3.2%	(1,227)	-4.2%	0.97	0.96
Cumulative:	3,699,442	3,673,509	3,617,507	(25,933)	-0.7%	56,002	1.5%	0.99	1.02
	BAC	EAC	VAC in \$	VAC in %	TCPI				
At Complete:	5,392,392	5,246,843	145,549	2.7%	1.05				
Explanation of Variance/Description of Problem:									
Current Period Schedule Variance: The variance is within reporting thresholds.									
Current Period Cost Variance: The variance is within reporting thresholds.									
Cumulative Schedule Variance: The variance is within reporting thresholds.									
Cumulative Cost Variance: The variance is within reporting thresholds.									
Impact:									
Current Period Schedule: No significant impacts have been identified.									
Current Period Cost: No significant impacts have been identified.									
Cumulative Schedule: No significant impacts have been identified.									
Cumulative Cost: No significant impacts have been identified.									
Corrective Action:									
Current Period Schedule: No Corrective Actions are required.									
Current Period Cost: No Corrective Actions are required.									
Cumulative Schedule: No Corrective Actions are required.									
Cumulative Cost: No Corrective Actions are required.									
Monthly Summary (to include technical causes of VARs, Impacts, and Corrective Action(s):									
For July, the project was 3.2% behind schedule and 4.2% under planned cost. For FY2014, the project is 5.6% behind schedule and 5.5% under planned cost.									
Overall schedule performance in July was within reporting thresholds.									
Overall cost performance in July was within reporting thresholds.									
Corrective actions underway for PFP, PBS RL-0011 to include continued utilization of HAMTC collective bargaining agreement Craft Alignment, which is trending to increased time on tools, starting to recognize increased time on respirator, which will ultimately result in increasing efficiencies and recovering the negative schedule variance on the PFP project. CHPRC is also pursuing a significant change in the current PFP safety basis and criticality analysis, which if approved would allow an increase to the currently allowed fissile inventory for loading gloveboxes outside the facility. This is expected to reduce the time required to clean out some of the remaining high gram gloveboxes prior to shipment to W&FM for storage. These changes will also increase the efficiencies of future work activities and are expected to enable additional recovery of the schedule variance seen to date. PFP is also refining the DSA to a D&D mode vs. an operations mode which will allow decommissioning of the facility through alternate means. Implementation of this refined strategy, assumes implementation of the previously noted proposed changes in the PFP safety basis and criticality analysis. This will result in re-sequencing demolition activities; stabilizing some materials with grout and other stabilizers; reconfiguring the ventilation system to isolate the PRF canyon from the rest of PFP and the provision of temporary ventilation to allow stabilization and removal of the duct level utilizing equipment rather than exposing workers to the difficult work environment found there. No other specific corrective actions are planned at this time.									

FORMAT 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

Contractually Required Cost, Schedule, EAC variance, Management Reserve Use

Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is a +\$145.5 million and +2.7% and is within reporting thresholds.

Format 1 and 3 Contract Data: Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$15,890
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
Grand Total Adjustments		\$15,890

Use of Management Reserve (MR) and Fee Activity:

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR
N/A	N/A	N/A	N/A

There were no changes to Management Reserve during July.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
N/A	N/A	N/A	N/A

There were no changes to Fee during July. However, the delta in Fee between the Overview section and CPR Format 1 is due to pending implementation of CO #242 into the Contract Price.

Best/Worst/Most Likely Estimate: The Best EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will remain at completion with no use of management reserve. The most likely EAC is the EAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will remain at completion but all available management reserve is used (e.g., all identified risks realized). The worst EAC is the ACWP plus the ECWR or BCWR if greater plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will be eroded at completion and all available management reserve is used (e.g., all identified risks realized), plus the scope identified in the Trend Log that is not in the EAC. The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.

Prepared by: Project Control Staff	Date: 8/16/2014	Approved by:	Date:
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Appendix B

Project Services and Support (WBS 000)



T. L. Vaughn
Vice President for
Safety, Health, Security
and Quality

M. A. Wright
Vice President for
Project Technical
Services

July 2014
CHPRC-2014-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

M. N. Jaraysi
Vice President for
Environmental Program
and Strategic Planning

D. A. Millikin
Director of
Communications

R. M. Millikin
Vice President for
Prime Contract and
Project Integration

V. M. Bogenberger
Vice President for
Business Services
Chief Financial Officer

PROGRAM SUMMARY

Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects as well as central management of cross-cutting services.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 85% by compressing occupancy and vacating underutilized facilities. Remove 10 facilities from active occupancy status. Consolidate at PFP and eliminate 8 trailers.	09/30/14	60%
14-EMS-ADMIN-OB1-T2	Reduce depletion of environmental resources through material recycling.	Make field-released material available for reuse. Recycle office supplies and furniture from the 10 facilities per OB1-T1.	09/30/14	100%
14-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into greater than 80% of CHPRC onsite/offsite event contracts. Train staff on Zero Waste events.	09/30/14	75%
14-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Implement new RL direct funded office supply initiative with GSA. Establish green catalogues with GSA supplier.	9/30/14	75%
14-EMS-PCPI-OB1-T1	Reduce the generation and/or toxicity of waste at the source.	Reduce the number and types of printers supported and maintained by 80 total. Improve ability to manage printing. Reduce toner, ink, paper, and energy use.	09/30/14	100%
14-EMS-PCPI-OB2-T1	Reduce Green House Gas emissions by reducing vehicle miles traveled.	Transition CHPRC users to Thin Client workstations for energy and other cost savings measures during FY2014. Complete transition of 275 current computer desktop workstations to the environmentally friendly Thin Client environment.	09/30/14	100%
14-EMS-PTS-OB1-T1	Reduce the potential generation and release of toxic and hazardous chemicals and materials.	Improve spill prevention program to reduce the potential for spills to the environment by use of spill prevention techniques, training, and surveillances.	09/30/14	70%

Objective #	Objective	Target	Due Date	Status
14-EMS-PTS-OB2-T1	Evaluate compliance with Universal Waste requirements and recycling efforts.	Ensure that PTS is adequately implementing Universal Waste accumulation and storage requirements, aerosol can recycling, and other forms of recycling efforts in an efficient and compliant manner. At the end of the year evaluate and develop trending and tracking effectiveness. Document in a MOP.	09/30/14	70%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	7	7/29/2014 – Employee tripped and fell while exiting building, leaving abrasion to right knee. (23435)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

Safety, Health, Security, and Quality (SHS&Q)

- SHS&Q activities to provide support and technical services to all CHPRC projects and central management of crosscutting services. There were no SHS&Q Recordable injuries and one First Aid case during July.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees.
 - Continue implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. Beryllium facility assessments have been completed on 392 CHPRC facilities. Characterizations of facilities are being performed as identified through the assessment process. Beryllium characterizations have been completed on approximately 50 CHPRC facilities and beryllium verifications have been completed on approximately 13 CHPRC facilities.
 - Continued partnering efforts with HPMC on reduction efforts for soft tissue injuries and other health issues as they arise.
 - Continued to provide support to Soil and Groundwater Remediation Project (S&GRP) Sample Management group for the transition of Industrial Hygiene (IH) sample processing from Waste Sampling and Characterization Facility (WSCF).
 - Continued support to Plutonium Finishing Plant (PFP) for use of the PremAire system to facilitate Deactivation & Decommissioning (D&D) activities in the Plutonium Reclamation

- Facility (PRF) canyon.
- Continued to provide technical support to Project Technical Services (PTS) for evaluation of respiratory protection for welding activities and painting activities as building walls are erected. Continued to support PTS in setting up a satellite respirator issue stations at the 100K Annex site.
- Continued to support field ergonomic evaluations within DWF&RS at the Maintenance and Storage Facility (MASF).
- Continued working with Project Facility Chemical Custodians (FCC) to complete qualification cards. All primary FCC have been completed.
- Provide technical support to DWF&RS for work activities associated with demolition of old construction laydown area.
- Provided support for the internal assessment of CHPRC processes for collecting, handling, and shipping IH samples.
- Continued efforts in implementing the Global Harmonization Standard requirements.
- Continued to provide ergonomic assessments for Functional Organizations
- o Radiological Control accomplishments:
 - Supported PFP breathing zone monitor (BZM) implementation and troubleshooting activities.
 - Continued progress in addressing rad protection concerns identified during FWS/FLM meetings.
 - Conducted Rad Work Planner training.
 - Finalized FY2015 Rad Protection assessment schedule.
 - Discovery of a Th-230 “poppy” check source on the ground outside PFP demonstrated the effectiveness of corrective actions from our Sr-90 Ion Chamber Check Source (ICCS) source event. Developed a Lesson Learned that was shared with the other Hanford site contractors on this event as well as a “Good News” story for PZAC.
 - Completed all actions from CR-2013-2616 related to the PFP ICCS source event.
 - Provided controller/evaluator support for several EP drill activities.
 - Provided oversight to RCT Oral Board process.
 - Coordinated with LMSI regarding Survey Simple upgrades.
- o Nuclear Safety deliverables prepared and transmitted to RL in July include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1305388.1, July 2, 2014, *Request for Approval of the Package-Specific Safety Document for Steel Drums, CHPRC-01039, Revision 2.*
 - Letter, CHPRC-1402564, dated July 14, 2014, *Transmittal of the 2014 Annual Unreviewed Safety Question Summary for CHPRC Transportation Safety.*
 - Letter, CHPRC-1402756, dated July 28, 2014, *Submittal of the Annual Update of the 200 Area Interim Storage Area Safety Basis and Unreviewed Safety Question Determination Summary.*
 - Letter, CHPRC-1402871, dated July 28, 2014, *Transmittal of the WESF Stabilization and Ventilation Project Safety Design Strategy, CHPRC-02212, Revision 0, to RL for Review and Approval.*
 - Letter, CHPRC-1402768, dated July 31, 2014, *Transmittal of the 2014 Annual Update to HNF-14804, Revision 5, B Plant Documented Safety Analysis, and the Unreviewed Safety Question Determination Summary.*
- o Letters received from RL in July include:
 - Letter, 14-NSD-0062_RL, dated July 24, 2014, *Transmittal of the 2014 Annual Update to HNF-13830, Revision 4, Documented Safety Analysis (DSA) for the Reduction-Oxidation Facility (REDOX), and the Unreviewed Safety Question (USQ) Determination Summary.*
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
 - 160 Condition Reports (CRs) were screened in July:

- No Significant issues identified
- Two Adverse issues identified
- 63 Track Until Fixed (TUF) issues identified
- 28 Trend Only (TO) items identified
- 65 Opportunity for Improvement (OFI) items identified
- 192 CRs administratively closed.
- 417 CR actions administratively closed.
- Conducted course 600082, Responsible Manager, Issues Management.
- Supported Apparent Cause Evaluation for CR-2014-0979, Management of Issues Identified During Oversight Activities.
- Two Lessons Learned were submitted to OPEX.
- Coordinated and provided logistical support for DNFSB on-site tour of MASF IPOD activities, PFP, T Plant and WESF.
- Coordinated two DNFSB conference calls concerning STP.
- Sixty-five documents were provided in response to DNFSB requests for information.
- o Performance Assurance, Quality Assurance (QA), and Assessment accomplishments:
 - Presented results to CARB of apparent cause for the concern raised by RL in their core surveillance of Contractor Oversight Effectiveness (roll-up) evaluation, DOE-RL 14-ODD-0025. Final recommendation was to address some comments and schedule a presentation for ESRB. Tentatively scheduled for August 25.
 - Completed assessment field activities for the 10 CFR 835, Subpart E, Monitoring of Individuals and Areas, surveillance activity. Four Findings and one Opportunity for Improvement were identified.
 - Supported the assessment of the SGRP sampling organization in response to 14-ESQ-0087, “CHPRC Assessment of Sample, Packaging, Storage and Offsite Shipping Process.” (EP&SP-2014-IA-14525)
 - Initiated annual assessment schedule call letter.
 - As a result of internal workshops to review the CHPRC Assessment Program Plan and associated assessment process documents, revised the CHPRC Management Assessment and Work Site Assessment procedures.
 - Continued work with the Waste and Fuels organization in the procurement planning of the IP-1 Transportation containers and the WESF capsule dry storage initiative.
 - Supported the Project Technical Services organization in their procurement of a new calibration services contractor for OCRWM specialty instruments at KW Basin.
 - Continued efforts in support of MSA in the evaluation of the NQA-1-2008, Part II, Section 2.15 for inclusion within the Hanford Site Hoisting and Rigging Manual.
 - Assisted the Soils and Ground Water organization in the procurement of Geophysical Logging and Analytical Laboratory Services.
 - Performed the annual surveillance of the CHPRC Suspect/Counterfeit program.
 - Assisted the Waste and Fuels organization in the resolution of technical issues with weld cover gas procurement.
- Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium (Be) program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
 - o **Status:** Implementing Revision 2a across CHPRC.
 - o **Action:** Beryllium facility assessments and characterization sampling are being conducted. Beryllium facility assessments have been completed on 392 CHPRC facilities. Additional personnel resources from MSA are being utilized for conducting Be assessments/characterization

in PRC facilities. Weekly Be product status as per RL is being received from Be CAP committee.

- o **Issue:** Accident & Injury Reduction.
- o **Status:** Continue investigating recent recordable and DART injuries to determine cause, prevention and reduction.
- o **Action:** Continuing to interface with project personnel, supporting EZACs and project safety meetings for continued focus on injury prevention. Improving TRC/DART rate trends are demonstrating that these efforts are being effective.
- o **Issue:** PFP Value Engineering (VE) Initiatives Path Forward.
- o **Status:** Engaged PFP project personnel with SHS&Q central group SMEs.
- o **Action:** Supporting PFP foaming initiative, supplied breathing air system implementation, and new NDA equipment upgrades. PFP completed personnel training in July for the new supplied breathing air system. PFP anticipates use of this new system in August to enter the McCluskey room.

Environmental Program and Strategic Planning (EP&SP)

Environmental Protection

- **Compliance Status**

- **Ecology Central Waste Complex Box and WRAP Drum Release Enforcement**

- o All initial actions complete. Procurement underway of ZDR-11 box shipping container. On schedule for January 2015 completion.

- **RCRA Permitting Progress**

- o CHPRC supporting Ecology staff with project management approach for the RCRA Rev 9 permit.

- **Environmental Management System (EMS)**

- o Completed ISO 14001 EMS recertification audit. Independent assessment concluded with 0 findings, 0 OFIs and 3 best-in-class observations. Assessor complemented CHPRC for creating and executing the top EMS in the DOE system of the many that he has audited.

- **Environmental Compliance & Quality Assurance (ECQA)**

- **Accomplishments**

- o One MOP was completed on the Pre-inspection for the Annual RCRA inspection. One finding was issued as three dangerous waste containers were not elevated above ground at PW-1/UP-1/ZP-1 waste storage area. One OFI and one noteworthy practice were also documented.

- **Work in Progress**

- o ECQA is planning the internal Independent Assessment of the CHPRC sampling processes. The entrance meeting is scheduled for July 21, 2014.
 - o Requirements have been identified for a total of 170 matrices. This process is in compliance with PRC-PRO-EP-52795, *Environmental Requirements Management*.

Business Services

- **Acquisition Planning**

- o Continued to assist DWF&RS with acquisition strategy and proposed contract approach details for Cs/Sr Capsule Dry Storage. The APD, Statement of Work (SOW), and Project Execution Plan are in review with SMEs.
 - o Supported S&GRP and IH for offsite analytical services for WSCF shutdown and transition to new contracts. Drafted presentation on status. Reviewed SOW to support facility modifications for sample packaging and transport to offsite facilities.
 - o Developed list of upcoming opportunities for Construction Contractor Forum.

- **Facilities and Property Management (F&PM)**
 - The annual physical inventory of CHPRC property commenced in February encompassing 4,081 items valued at \$152,328,862. As of July 31, 2014, 87 percent of the items have been accounted for with no reported losses.
- **Finance**
 - July month-end closing was completed on schedule with no cost suspensions.
 - Contract funding has been provided that is sufficient to continue uninterrupted operations through August.
 - Replied to KPMG requests for data, in response to the FY2009-FY2013 incurred cost audits.
- **Human Resources**
 - Completed the 360 Degree Feedback review process for five members of management in the S&GRP. Results were provided to the participants along with resources to use as they develop action plans based on the information.
- **Procurement**
 - Awarded/amended 84 contracts with a total value of \$6.39M. Additionally, awarded 192 new material purchase orders valued at \$1.4M to support ongoing project objectives.
 - At the end of the first 70 months of the PRC, procurement volume has been significant; \$2.1B in contract activity has been recorded with approximately 49.9 percent, or \$1.054B, in awards to small businesses. This includes 6,562 contract releases, 17,232 purchase orders, and 204,304 P-Card transactions.
 - Completed and issued two Advance Planning Documents and one Consent Package to RL for review or approval.
 - CHPRC received RL consent to award contracts to BNL Technical Services, LLC and Tradewind Services, LLC for SHS&Q Temporary Support, and AREVA Federal Services, LLC for Sludge Treatment Project Design, Engineering and Testing Support.

Prime Contract and Project Integration (PC&PI)

- PC&PI continued their efforts to lead the company wide opportunity for improvement related to the appropriate use of Code of Accounts (COAs). During the reporting period PC&PI worked with CHPRC Business Services, Projects, and Functional organizations to develop a consensus recommendation for a path forward to improve COA use. This recommendation was presented to and endorsed by Management and development of an implementation plan for the recommendation was initiated.
- **Contracts Compliance and Change Management**
 - In July, Prime Contracts Compliance received and processed one (1) contract modification (number 349) from RL was received and processed. Correspondence Review received and determined the distribution for 47 incoming letters/documents. The Prime Contracts Compliance Manager reviewed 54 outgoing correspondence packages.
 - Six Notice of Change letters were provided to RL in July.
 - Prepared and submitted the PM-00 FY-14 critical self-assessment to RL for the third quarter.
 - Drafted a B.4-1 contract change template using a macro to assist RL in modification development. The tool displays changes by CLIN that auto calculates and totals.

Change Proposal/REA Summary

Change Proposals submitted on or ahead of due date	Request for Equitable Adjustments submitted	Supplemental Information submitted	Change Proposals definitized on or ahead of 180-day metric	Other Proposals Definitized
0	1	2	1	0

- o Estimating & Program Support provided the following support to the Projects:
 - Plutonium Finishing Plant (PFP):
 - Awaiting RL's disposition of CO #240 - PFP Chemical Hazard Investigation and Mitigation of Chemical Lines.
 - RL rejected 011 PRC 1389 - *PFP Closure Project 2013 Sequestration Impacts*, due to the determination that the change in FY2013 funding did not represent a change to the PRC (less than 10%).
 - Sludge Treatment Project (STP):
 - Awaiting RL's disposition of REA 012 1454 - *Sludge Treatment Project Work Scope Priorities and Sequestration Impacts*
 - Continued support in the maintenance of the Basis of Estimate(s) associated with planning scenarios related to the RL-0012 Performance Measurement Baseline (PMB) and FY2015 planning.
 - Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project
 - In conjunction with the project, supported negotiation and definitization of the following Change Order:
 - o CO # 245 - *WESF K1 K3 Ventilation Conceptual design, on July 29, 2014.*
 - Soil & Groundwater Remediation Project (S&GRP):
 - In conjunction with the project, completed and submitted to RL, supplemental information related to the following Change Order:
 - o CO #251 - *200-UP-1 Uranium Treatment at the 200W Pump and Treat Facility, on July 24, 2014.*
 - In conjunction with the project, responded to RL questions and provided a revision to the proposed price for the following:
 - o CO #255 - *Automated Water Level Network, on July 17, 2014.*
 - Supported the project in meetings with the RL technical staff to discuss and respond to questions regarding the proposal for the following:
 - o CO #254 - *Central Plateau Inner Area Cleanup Principles / Risk Assessment and Modeling Parameters, on July 16, 2014.*
 - o In conjunction with the project, completed and submitted to RL, an REA related to the following:
 - REA 030 1465 - *300 Area RI/FS and Proposed Plan, on July 22, 2014.*
 - Continued efforts to prepare two Change Proposals in response to the following:
 - o CO #256 - *200-BP-5 Remedial Action Plan Design and Installation Activities;*
 - o CO #257 - *200-UP-1 Hydraulic Containment for Iodine (I-129).*
 - Completed and submitted to Washington Closure Hanford, an estimate for the installation of two investigations /monitoring wells at the 100 N Area, former gasoline station, on July 31, 2014. The work is anticipated to be performed in FY2015.
- o Estimating & Program Support provided the following support to the functional areas:
 - Project Technical Support:
 - Provided support for the implementation of the following definitized proposal:
 - o CO #242 - *Addition of Contractor Requirements Document Order 420.1C Supplemented Revision, 0 Facility Safety.*
- o Estimating Systems Administration
 - Completed PC&PI Goal #4, Estimating System Review Readiness, on July 31, 2014. In preparation for the declaration of readiness, the following activities were completed:
 - Completed a Gap Analysis, comparing the CHPRC estimating procedure and guide to the attributes described in 48 CFR 215.225-7002, Estimating Systems. This CFR was sent to

CHPRC, along with other Business Systems clauses for addition to the PRC, in November 2013. The CFR has not been incorporated to the PRC. The results of the Gap Analysis were entered into CRRS as a work site assessment, entry number PC&PI-2014-WSA-14048, and actions established.

- Completed the actions associated with PC&PI-2014-WSA-14048.
- Completed revision to PRC-PRO-PC-40072, Cost Estimating Procedure.
- Completed revision to the PRC-GD-PC-40434, Cost Estimating Guide.
- Estimating staff completed required reading for the new guide and procedures.
- Reviewed and completed updates to desk top guides and developed an estimating system description (6 guides and 1 description).
- Developed and entered into formal review, a new document titled “PCR-MP-CMT-52887, Change Proposal Management Plan”. This document will be finalized in August.
- Provided copies of the revised estimating procedure and guide, and the draft management plan to RL for their information and comment (sent via email).
- Established discussion and points of contact with KPMG, who has been assigned by RL to conduct an audit of the CHPRC Change Proposal process beginning in August, and in conjunction with KPMG, set the entrance conference date of August 6, 2014. Initiated the collection of data requested by KPMG and sent the requested information via file transfer on July 31, 2014.
- **EVMS Compliance and Reporting**
 - o Submitted the FY2015 Annual Performance Measurement Baseline (PMB) Update to RL. The next steps will be an RL review period followed by collaborative meetings to review priorities and align with the funding targets.
 - o The annual evaluation of CHPRC’s Earned Value Management System’s (EVMS) continued compliance with the American National Standards Institute (ANSI) / Electronic Industries Alliance (EIA)-748B Intent Guidelines was initiated. This evaluation is being performed in accordance with PRC Section C.3.1.1, “Project Integration and Control and Earned Value Management,” and the requirements of DOE Order 413.3B, *Program and Project Management for the Acquisition of Capital Assets*.
 - o Process improvement activities to enhance CHPRC’s readiness for an anticipated DOE-HQ Office of Acquisition and Project Management (OAPM) onsite Stage 3 Review of CHPRC’s EVMS continued. These activities, which involve the central and Project’s Project Controls organizations, include addressing feedback from internal and external assessments, including feedback from the DOE-HQ OAPM Stage 2 Review of CHPRC’s EVMS. One of these activities was to kick-off a cause analysis as to why actions in response to previously identified EVMS deficiencies and Opportunities for Improvement (OFIs) have been completed, assessments continued to identify new deficiencies and OFIs. PC&PI has teamed with CHPRC Contractor Assurance & Regulatory Reporting to perform this “Why” analysis.
- **Strategic Planning and Integration**
 - o **Interface Management**
 - Continue to work issues on scope and interpretations of Usage-Base Services vs. Direct-Funded Services for J.3 #20 Fire & Emergency Response Services (Fire Protection System Inspection, Testing, and Maintenance).
 - J.3 Table Worktables
 - J.3-51 “*Property Systems*” continue to work with MSA and WRPS to revise Service Delivery Document
 - J.3-34 “*Biological Controls*” continue to work with MSA to revise Service Delivery Document
 - J.3-33 “*Analytical Services*” review/comment/concurrence for deletion of WSCF scope

- (contractor self-performance) provided to MSA
- Draft of spreadsheets identifying site manuals, site committee agreements and Supplemental Contract Requirements Documents to establish need for internal change control process routing for Project review.
- Continue management assessment of the MSA Statements of Work that are applicable to J.3 Usage-Based Services.
- Quarterly review and comment of J.13/J.14 tables.
 - WSCF 6266 ownership dispositioned – Building to stay with MSA. SOW and Contract Release will be issued for CHPRC to provide surveillance of 6266
 - 4707 ownership remains with MSA – Building to transfer to CHPRC. AIA for occupancy and usage in route for execution while J.13 table update process is ongoing.
 - 275W ownership remains with MSA – Building to transfer to CHPRC. Prepare draft AIA for occupancy and usage.
- In process Interface Documents:
 - HNF-23474 Rev. 2, *ICD Between CHPRC and JCI for Hazardous Energy Control*
 - HNF-46148 Rev.3, *ICD Between CHPRC and MSA for Water System Services (In USQ/Engineering release)*
- Phase II Data Call on FY2014 Infrastructure & Services Alignment Plan (ISAP) published.
- Continue to receive comments on and revise MOA HNF-49315 Agreement on Hanford Atomic Metal Trades Council (HAMTC) Seniority Related Discharges and Replacements – routing for signature.
- Annual update (data call for FY2015) of Service Level Agreement with ATL for laboratory sampling scope in process.
- Annual update of Sample Archive data call with ATL routing for Project input.
- Revision of Interface Management PRC-PRO-MS-10472 in progress.
- Continue work on MSA TPA Integration support.
- Interface with Effluent Treatment Facility on Near Field Monitoring requirements.
- Continue to provide updated input on a monthly basis to CHPRC Contracts on the Performance Measure PM-00-FY14, Critical Self-Assessment in Risk Management and Integration with Other Hanford Contractors.
- o **Information Management**
 - Began software development of Respiratory Protection Equipment Tracking automation.
 - Continued inventory of all OCWRM holdings located at the 3212 Building to locate 1000 records that do not have specific box locations on the OCRWM Index
 - Provided IT, event logistics, and facilitation support to company manager meetings, EZAC, PZAC, and Leadership Impact Initiative training
 - Provided support for all Employee Picnic planning, including logistics, continued ticket distribution packets, graphics, posters, website, event set-up and other related assignments.
 - Provided information clearance and release support for 100K, SGW, DWFRS, SHSQ and PTS documents
 - Provided numerous IT support requests for cellular phone issues/questions, meeting set-up, network connections, and printing.
 - Installed 28 Thin Client workstations in support of FY14-EMS-PCPI-OB2-T1
 - Processed 15,900 Electronic Records into IDMS

Project Technical Services (PTS)

- **Central Engineering**
 - o Participated in the DWF&RS Kickoff Meeting for the Capsule Extended Storage Project, which

- will move the Cs and Sr capsules from their current location in WESF to a new extended storage facility.
- o Composed a document which discussed the test results of the CSB Fire Pump Flow Meter Testing and made recommendations as to how to resolve the issues with the test results. The document was sent to the MSA Hanford Fire Marshal and members of his staff for review and evaluation.
 - o Performed the T Plant Quarterly TSR Combustible Surveillance walkdown to verify compliance. Completed developing and qualifying a welding procedure specification for the repair of the 90T Manitowoc crane (S/N 224014). During a routine inspection of the crane, a crack was discovered along a stiffener on the bottom of the boom.
 - o Participated in the EFCOG/RL Electrical Safety Subgroup workshop held at the National Renewable Energy Laboratory (NREL).
 - o Assisted S&GRP in dispositioning an NCR generated by AVS for non-NRTL certified circuit breakers purchased with the QA B65 requirement for NRTL certification. The circuit breakers were accepted on the basis of DOE-0359 exceptions for legacy equipment.
- **Procedures and Training**
 - o Completed WESF Safety Basis training updates.
 - o Published updates to PRC-PRO-MS-589 and PRC-STD-MS-40241 to support Environmental requirement markings in procedures.
 - o Supported implementation of new PFP radcon/beryllium airspace boundaries.
 - o Developed Corrective Action plans for two VPP SIP actions (employee involvement in procedure development and enhanced safety culture survey).
 - **Operations Program**
 - o Continued PRC-PRO-WKM-12115, Work Management program improvements.
 - o Completed Work Site Assessment at CP S&M to document and assist implementation of improvements for planned work documents.
 - o Assisted projects work packages review and provided feedback to support project work document/improvements.
 - o Provided one-on-one training sessions with qualifying RMs at 100K Annex.
 - o Assisting cross-project qualifications for FWS, RM and Planners.
 - o Supported projects with critiques and causal analysis meetings.
 - o Received RL Independent Evaluation of CSB Drill which contained no findings on Emergency Preparedness or CSB Project planning or execution, two suggestions were documented.
 - o Supported critique for the two S&GRP events this month and will assist with Corrective Actions development and execution.
 - o Assisting DWF&RS roll out a presentation improving RWP prejob briefings.
 - o Assisted in executing corrective actions of the CPS&M Con Ops Improvement Plan.
 - o Continued to work with MSA/RES on coordination to increase accomplishing work efficiently.
 - o Supported hazard review/path forward for beryllium sampling activities.
 - o PTS Mentors continuing supporting emergency drill conduct and providing feedback.
 - **Project Delivery**
 - **S&GRP**
 - o Realign Wells 210, 212 and 220
 - Contractor mobilization complete. Installation and bonding of approximately 5,000 feet of HDPE is 90% complete.
 - o Realign Well YJ07
 - Completed installation of 1,000 feet of HDPE. Tie-in at well head pending installation of well pump and completion of modifications at the Injection Manifold Building.
 - o Realign Wells MJ03, MJ21 and MJ23
 - Installation and bonding of approximately 5,000 feet of HDPE is 70% complete.

- o Realign Wells YE14, YE17 and YE20
 - Installation of equipment for the well realignment is 75% completed. HDPE pipe, power cable and fiber optic cable is installed. Filter bank installation inside the 200W P&T is in progress.
- o Realign Wells 205, 206 and Modifications at 100KW P&T
 - Installation and tie-in of well 206 is completed; turnover to operations pending completion of modifications at the 100KW Pump and Treat.
 - Modification to process systems at the KW Pump and Treat are 75% complete. Installed and routed process piping for acid injection system modification, ion exchange column and process water filtration system.
- o 200W P&T ITB-1 HDPE Piping and Header Installation
 - Header modification 75% complete. 8” stainless steel header installed on pipe supports. Installed discharge piping and flow control instrumentation at the discharge ports of the header. Continued installation of electrical distribution components. Completed installation floor mounted pipe supports and completed grout repair/sealing of floor.
- o 200W Pump-and-Treat Weather Enclosure
 - Received contractor proposals to erect a 90’x40’ tent structure; to include a vehicle emission exhaust system and electrical distribution for heating and lighting.
- o Installation of Fence at 2269E
 - Contractor pre-mobilization submittals are approved and personnel medically cleared for mobilization.
- **KW Annex Construction**
 - o The new KW Annex Construction mask issue station went operational.
 - o Fabrication of building structural steel has completed and erector completed the structural steel installation in support of KW Annex.
 - o Continued working items on the structural steel punchlist – completed 2 of 3 items. Final item contingent on the completion of fire coating in the high bay due to interference with fall protection system – target completion August 25, 2014.
 - o Completed all three concrete roof deck installations.
 - o Completed Flanders Factory Acceptance Testing of the HEPA filter system. Final documentation in process with a delivery scheduled for August 18, 2014.
 - o Completed the bump test of the bridge crane with oversight from the crane manufacturer.
 - o Completed shop fabrication for the inside stairs and guardrails and currently at the paint shop for coating.
 - o Continued shop fabrication for the catwalk and HIH assemblies.
 - o Completed Commercial Grade Dedication for Wall Panels and fasteners, continued CGD for Wall Panel Assembly products (i.e sealants, etc.)
 - o Continued the field fire coating application of steel members.
 - o Initiated preparation of sumps, floors and walls in the low bay. Received acceptable results from the concrete moisture testing to support the application of the epoxy flooring coatings in the low bay.
 - o Started the wall panel channel layout and panel installation in the low bay.
 - o Continued door framing to support wall panel installation.
 - o Started the layout of the outside HIH shielding.
 - o Conducted and passed the potential ground grid testing. KW Annex is now approved to tie to the existing facilities ground grid.

Communications

- **Internal**
 - Produced a video announcing the launch of the CHPRC Community Legacy Project, in which CHPRC is partnering with the Friends of Badger Mountain to enhance a 20-mile trail system in the Tri-Cities.
 - Produced four issues of the Weekly Update, the CHPRC internal news bulletin, including blog posts from Moses Jaraysi, vice president of Environmental Programs and Strategic Planning; Rick Millikin, vice president of Prime Contract and Project Integration; and Kathy Robinson, director of Human Resources.
 - Continued hosting roundtable meetings with CHPRC senior management and employees to invite worker feedback and maintain the free flow of information.
- **Public Relations**
 - Supported RL with media announcing preparations to enter the McCluskey Room at PFP. This included a press release, fact sheet, and video.
 - CHPRC's community outreach project with the Friends of Badger Mountain was featured in the Tri-City Herald and other media, including Forbes Online.
 - The DOE EM Update newsletter included stories on groundwater treatment efficiencies at CHPRC and PFP meeting a KPG for Pencil Tank removal.
- **Public Involvement**
 - For the 100-F/IU Proposed Plan, CHPRC supported a public meeting in Hood River, Oregon (approximately 18 people attended). A webinar was held in conjunction with meeting. The comment period ends on August 11.
 - For the LERF/ETF Permit Modification, CHPRC supported planning for 60-day comment period on a Class 2 Modification to the Hanford Facility Dangerous Waste Permit. These revisions involve changes to maintenance activities in the basins at the Liquid Effluent Retention Facility and the 200 Area Effluent Treatment Facility. The comment period is set to run from August 25 through October 24 and a public meeting is planned for early September 2014.
 - For the 100-D/H Proposed Plan, CHPRC supported planning of the public involvement process for 100-D/H Proposed Plan, which is projected to be issued in late September or early October.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Internal Audit	0.1	0.1	0.0	0.0	0.0%	0.0	24.5%
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	36.8%
Communications	0.1	0.1	0.1	0.0	0.0%	0.0	19.2%
Safety, Health, Security and Quality	1.1	1.1	0.9	0.0	0.1%	0.2	21.4%
Environmental Program and Strategic Planning	0.4	0.4	0.3	0.1	19.9%	0.1	30.3%
Business Services	1.5	1.5	1.5	0.0	0.0%	0.0	1.5%
Prime Contract and Project Integration	1.6	1.6	1.4	0.0	0.0%	0.2	10.9%
Project Technical Services	0.5	0.5	0.5	0.0	0.0%	0.0	8.3%
Indirect WBS 000 Total	5.3	5.4	4.7	0.1	1.4%	0.7	12.4%

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

CM Schedule Performance: (+\$0.1M/+0.7%)

Variance is within reporting thresholds.

CM Cost Performance: (+\$0.7M/+12.4%)

The favorable variance is primarily due to lower than expected costs for Time Verification System, and staffing vacancies currently in process of being backfilled.

Fiscal Year-to-Date (FYTD) (\$M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
Internal Audit	0.7	0.7	0.5	0.0	0.0%	0.2	25.8%	0.8
General Counsel	1.1	1.1	0.9	0.0	0.0%	0.2	20.5%	1.4
Communications	0.8	0.8	0.9	0.0	0.0%	-0.1	-9.7%	1.0
Safety, Health, Security and Quality	12.0	11.9	9.4	-0.1	-0.6%	2.5	21.3%	14.9
Environmental Program and Strategic Planning	3.5	3.5	3.2	-0.1	-1.8%	0.2	6.2%	4.4
Business Services	16.2	16.2	15.3	0.0	0.0%	0.9	5.4%	20.3
Prime Contract and Project Integration	16.7	16.7	14.5	0.0	0.0%	2.2	13.3%	21.0
Project Technical Services	5.6	5.6	6.0	0.0	0.0%	-0.4	-6.8%	7.1
Indirect WBS 000 Total	56.6	56.5	50.7	-0.1	-0.2%	5.8	10.3%	71.0

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

FYTD Schedule Performance: (-\$0.1M/-0.2%)

Variance is within reporting thresholds.

FYTD Cost Performance: (+\$5.8M/+10.3%)

The favorable cost variance is primarily due to lower than expected costs for Time Verification System and B&O Home Office Cost estimate reductions in prior year assessments.

Baseline Change Requests

BCRA-PRC-14-021R0 - *HPIC Updates July 2014*

FY2014 G&A Analysis (\$M)

WBS 000 Project Services and Support	FY2014					
	FYTD BCWS	FYTD Actual	FYTD Variance (O)/U	FY2014 BCWS	FY2014 Forecast	FY2014 Variance (O)/U
Internal Audit	0.7	0.5	0.2	0.8	0.8	0.1
General Council	1.1	0.9	0.2	1.4	1.3	0.1
Communications	0.8	0.9	(0.1)	1.0	1.2	(0.2)
Safety, Health, Security and Quality	12.0	9.4	2.6	14.9	12.1	2.8
Env. Program & Strategic Planning	3.5	3.2	0.3	4.4	4.5	(0.1)
Business Services	16.2	15.3	0.9	20.3	19.9	0.4
Prime Contract and Project Integration	16.7	14.5	2.2	21.0	18.4	2.6
Project Technical Services	5.6	6.0	(0.4)	7.1	7.6	(0.5)
General & Administrative (G&A)	56.6	50.7	6.0	71.0	65.7	5.3
			FYTD		FY2014	
G&A Distribution			(49.1)		(65.1)	
G&A Liquidation (Over)/Under			1.5		0.7	

Liquidation Analysis

- Fiscal year to date through July, application of the G&A rate has under-liquidated total to date G&A costs by \$1.5M. The FY2014 year end projected under-liquidation of \$0.7M reflected in the fiscal year spend forecast reflects a projected decrease in the G&A base.
- Consistent with CHPRC prospective Cost Accounting Disclosure Statement, under liquidations would be distributed to users at a minimum, when the combined (including Continuity of Service (COS) and Absence Adder rates) projected year end under liquidation is equal to or greater than \$4M. Over liquidations would be distributed to users at a minimum, when the combined projected year end over liquidation is equal to or greater than \$6M. Variances may be liquidated to users at lower thresholds if variances are determined to be significant to cost control. All remaining variances will be distributed at fiscal year end.

MAJOR ISSUES

None identified.

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

The Section H.20 clause entitled, "Self-Performed Work," is addressed in the Monthly Report Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.